

FIG. 1

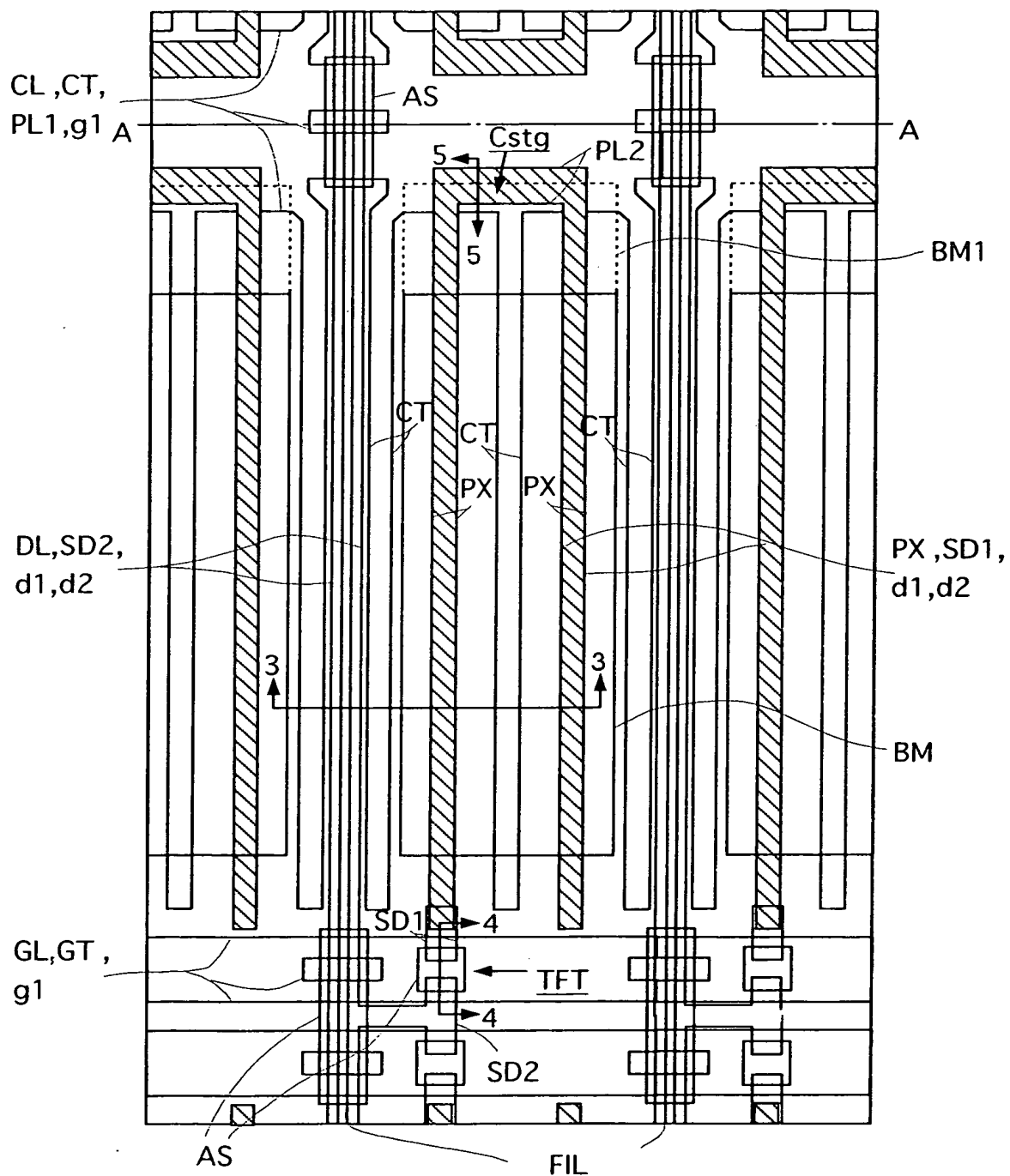


FIG.2

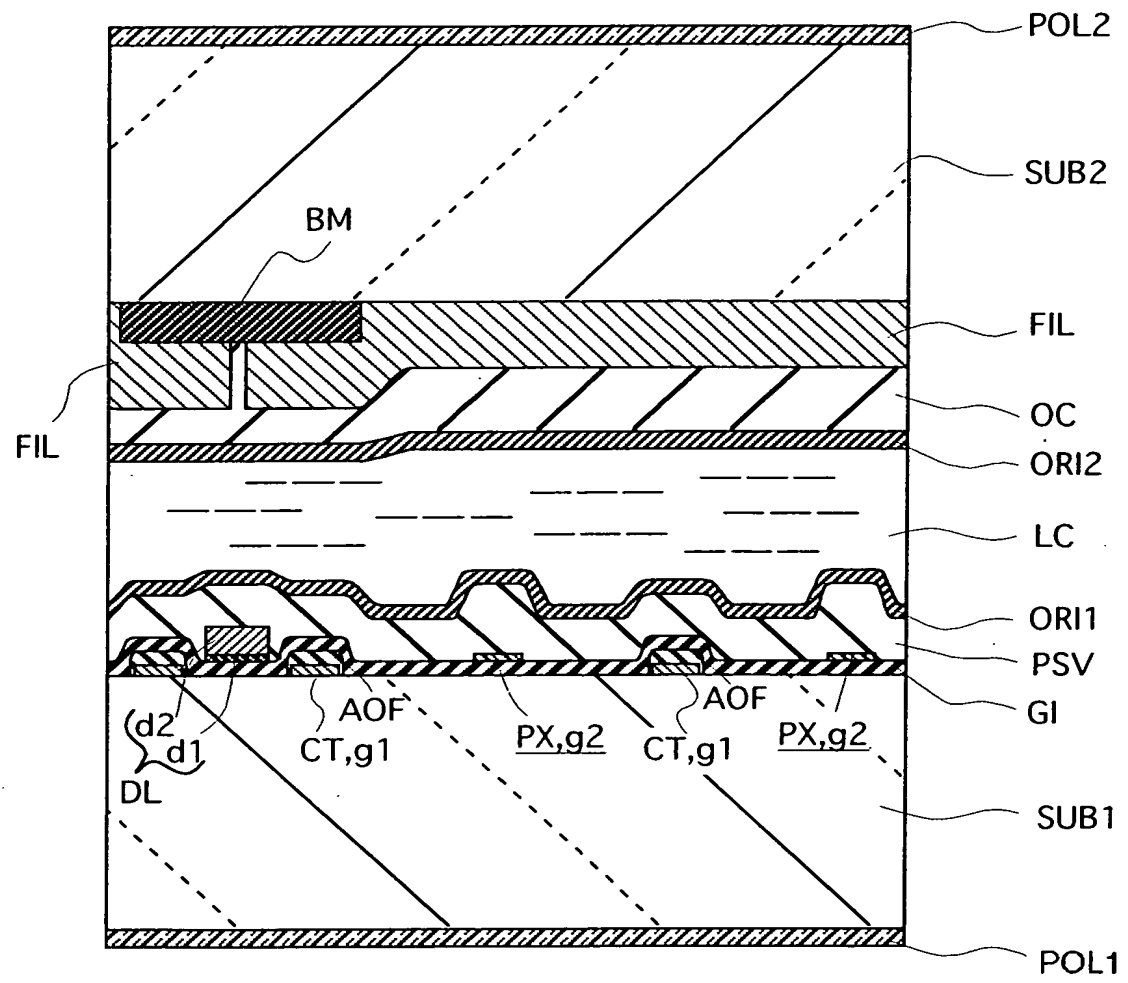


FIG.3

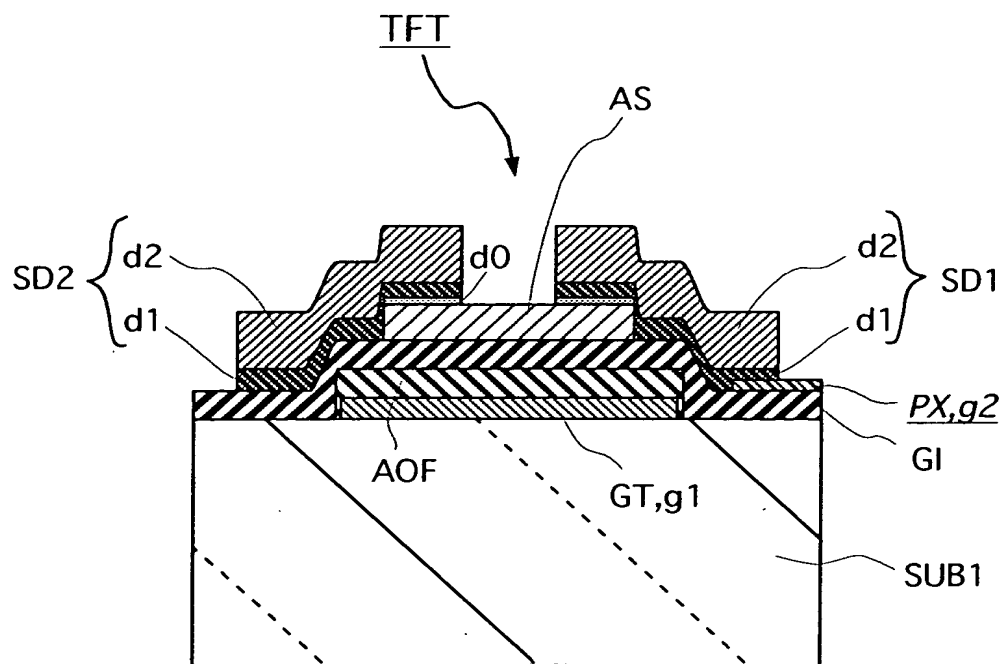


FIG.4

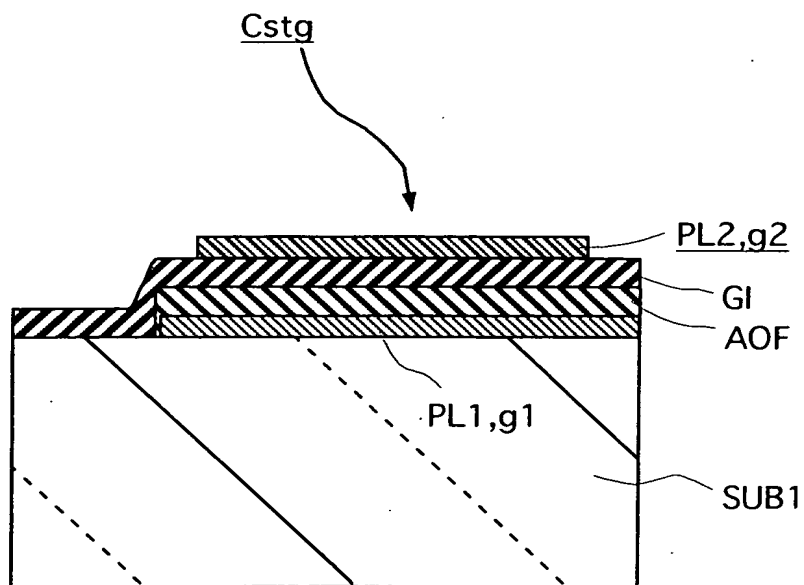


FIG. 5

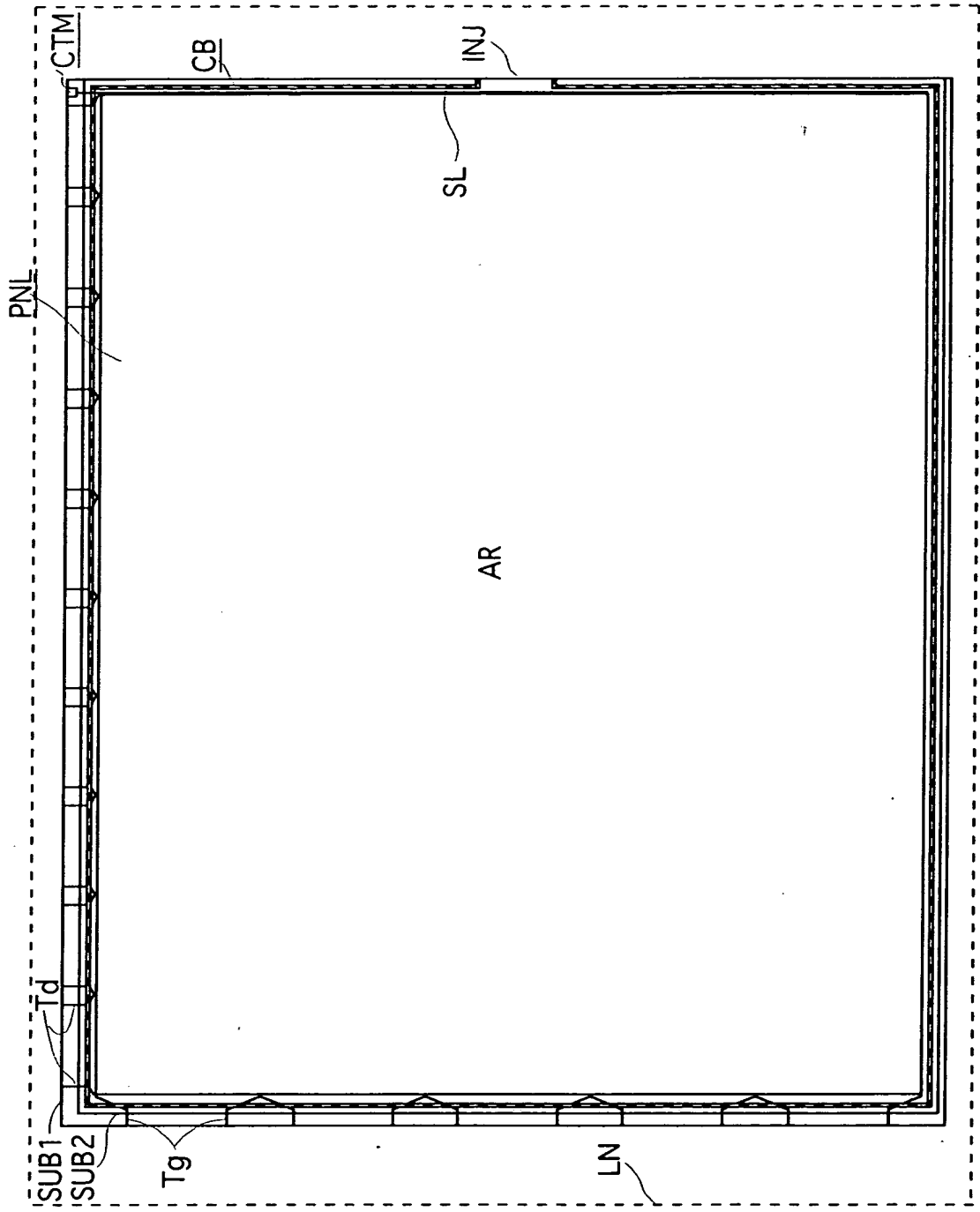


FIG. 6

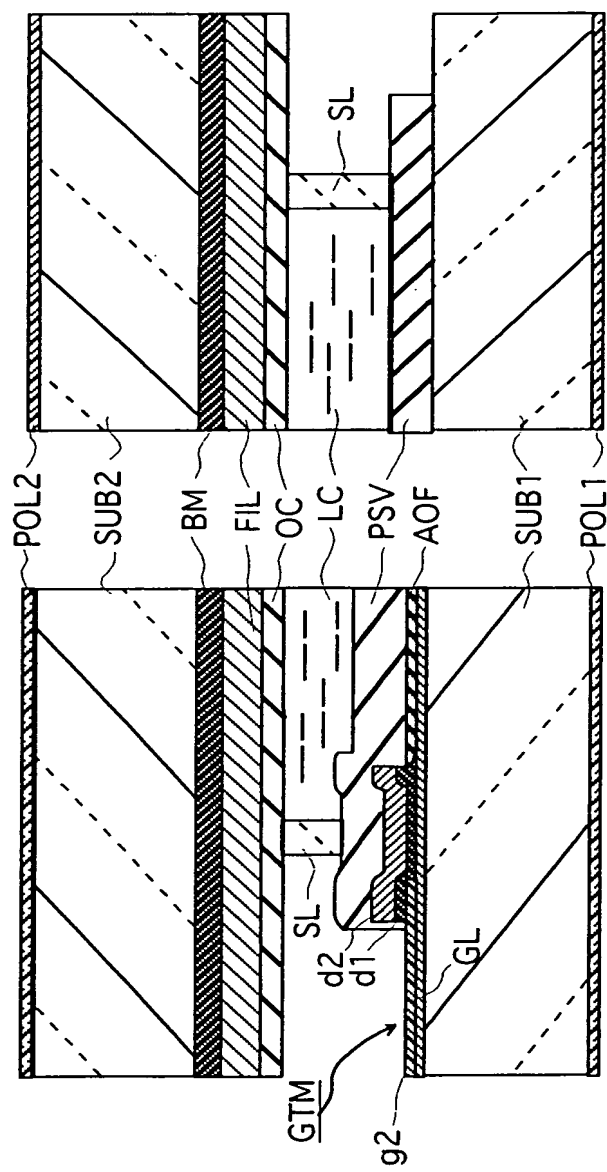


FIG. 7A

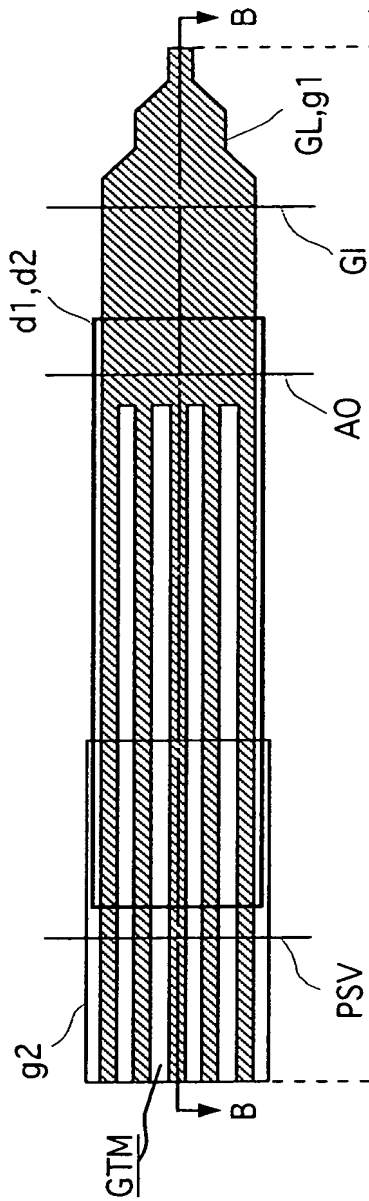


FIG. 7B

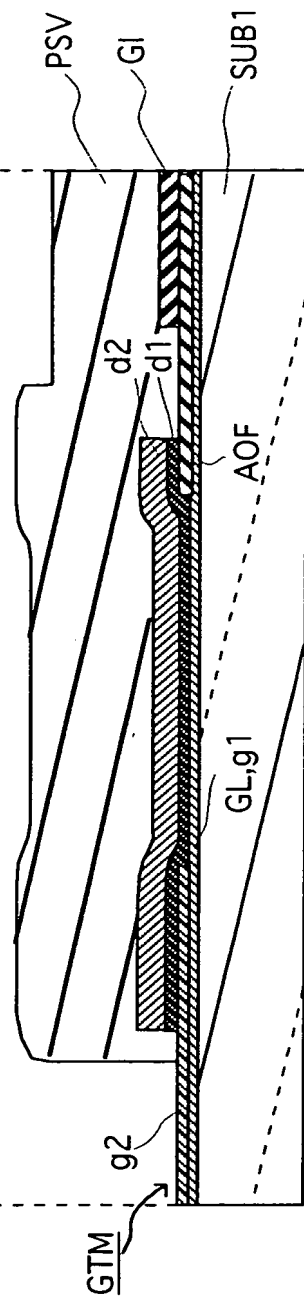


FIG. 8A

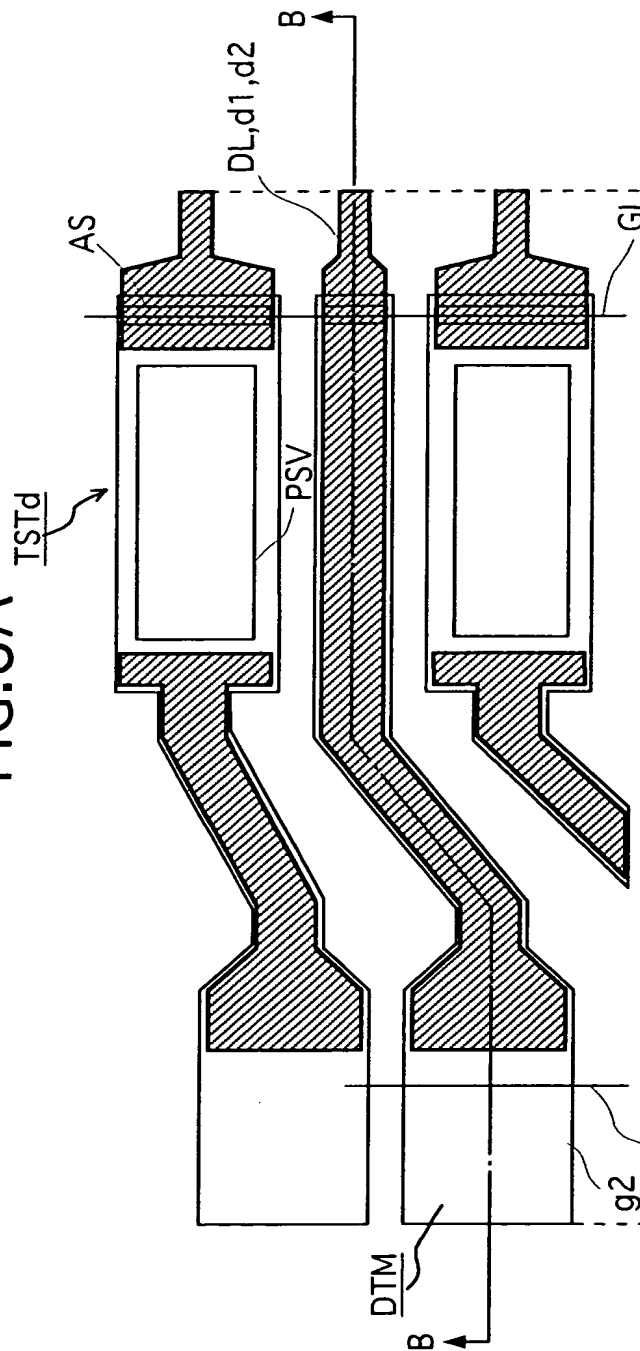


FIG. 8B

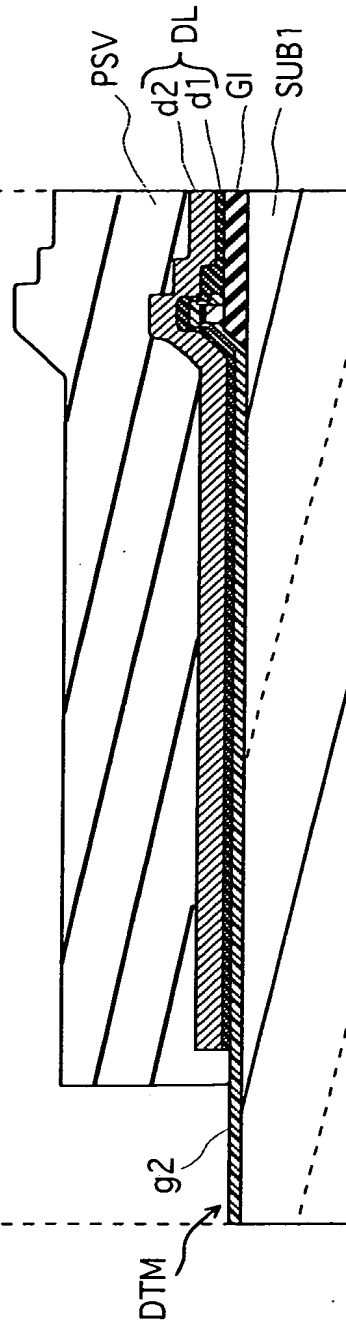


FIG.9A

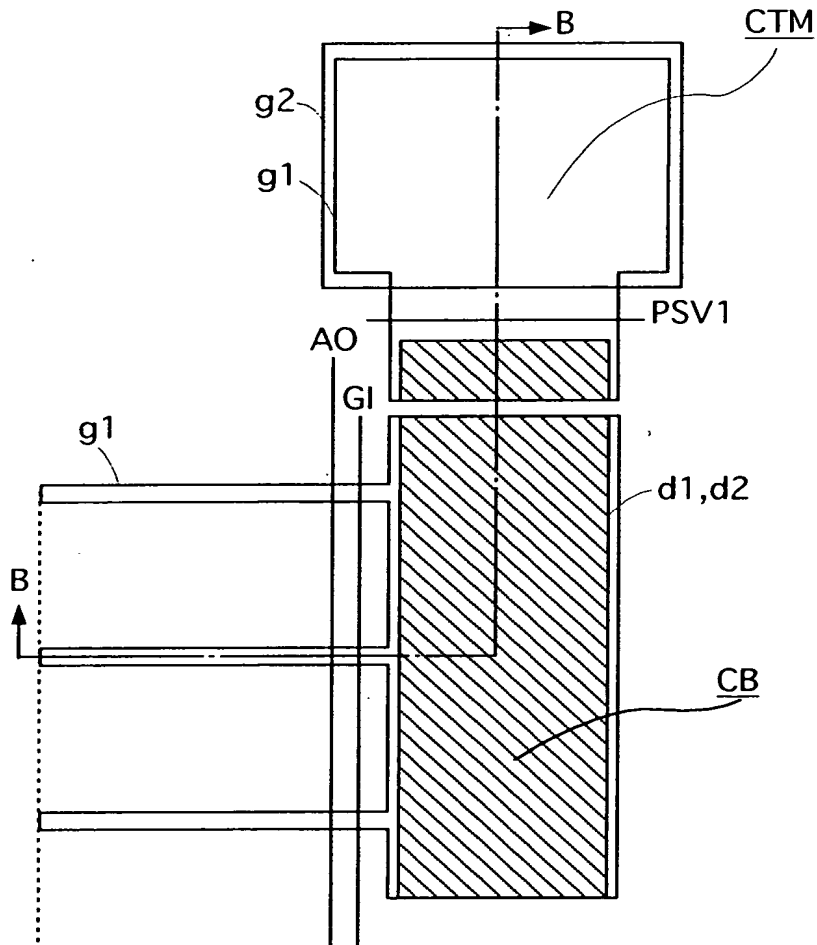


FIG.9B

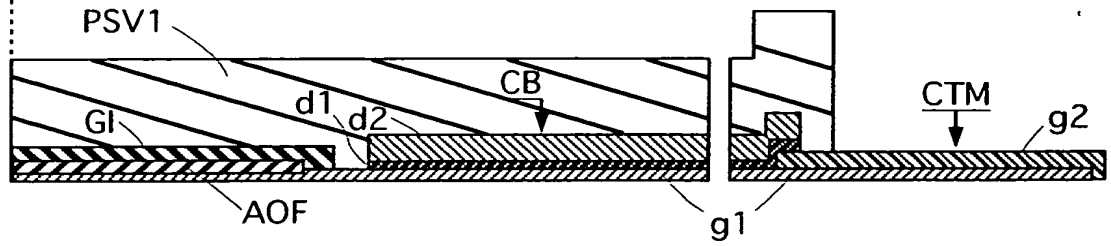


FIG. 10

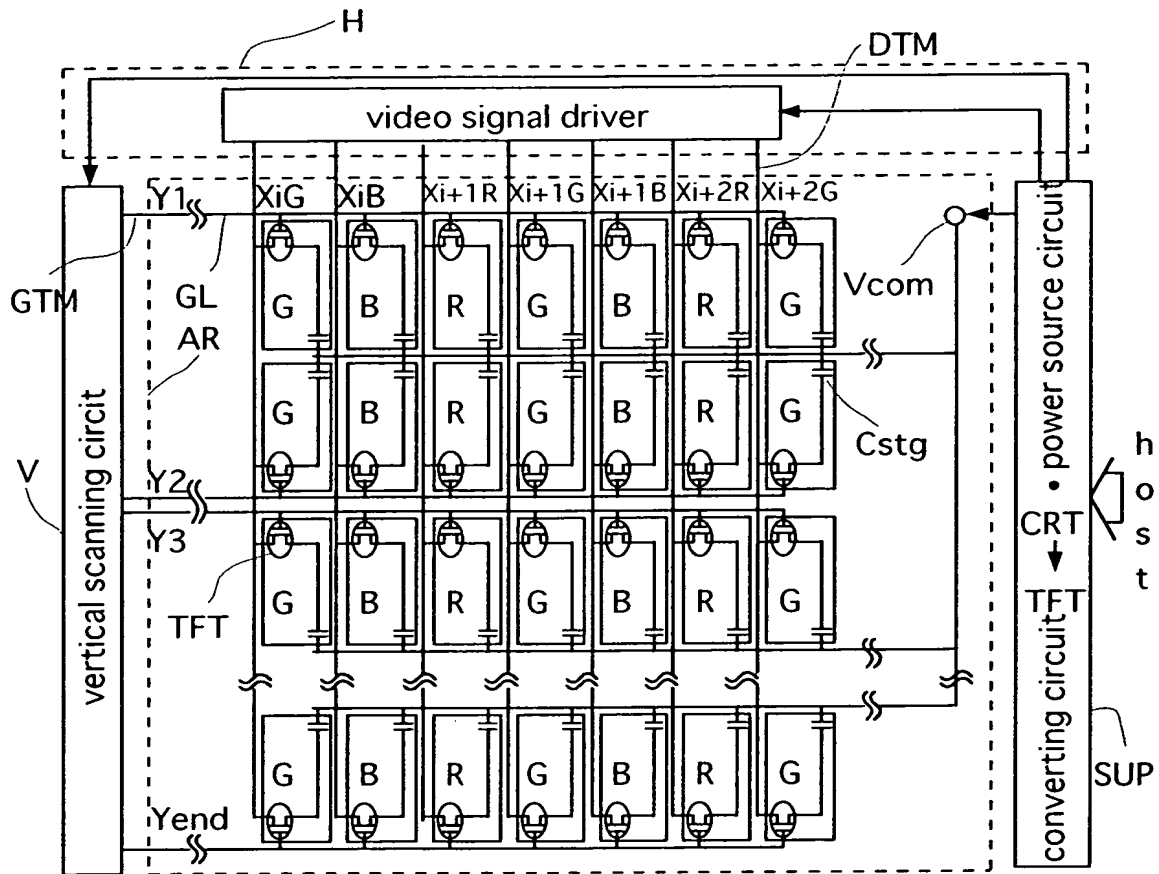


FIG.1 1

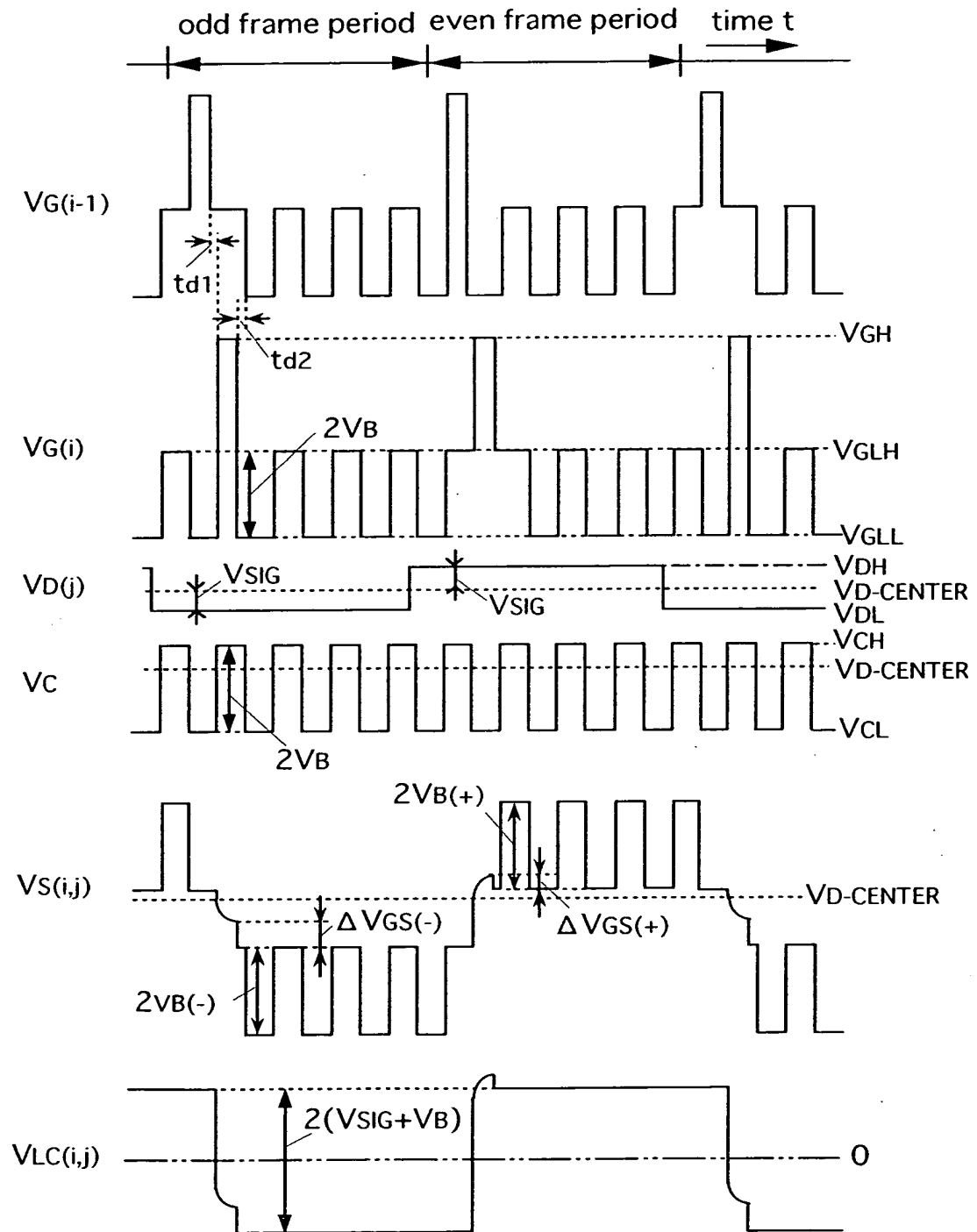


FIG.12

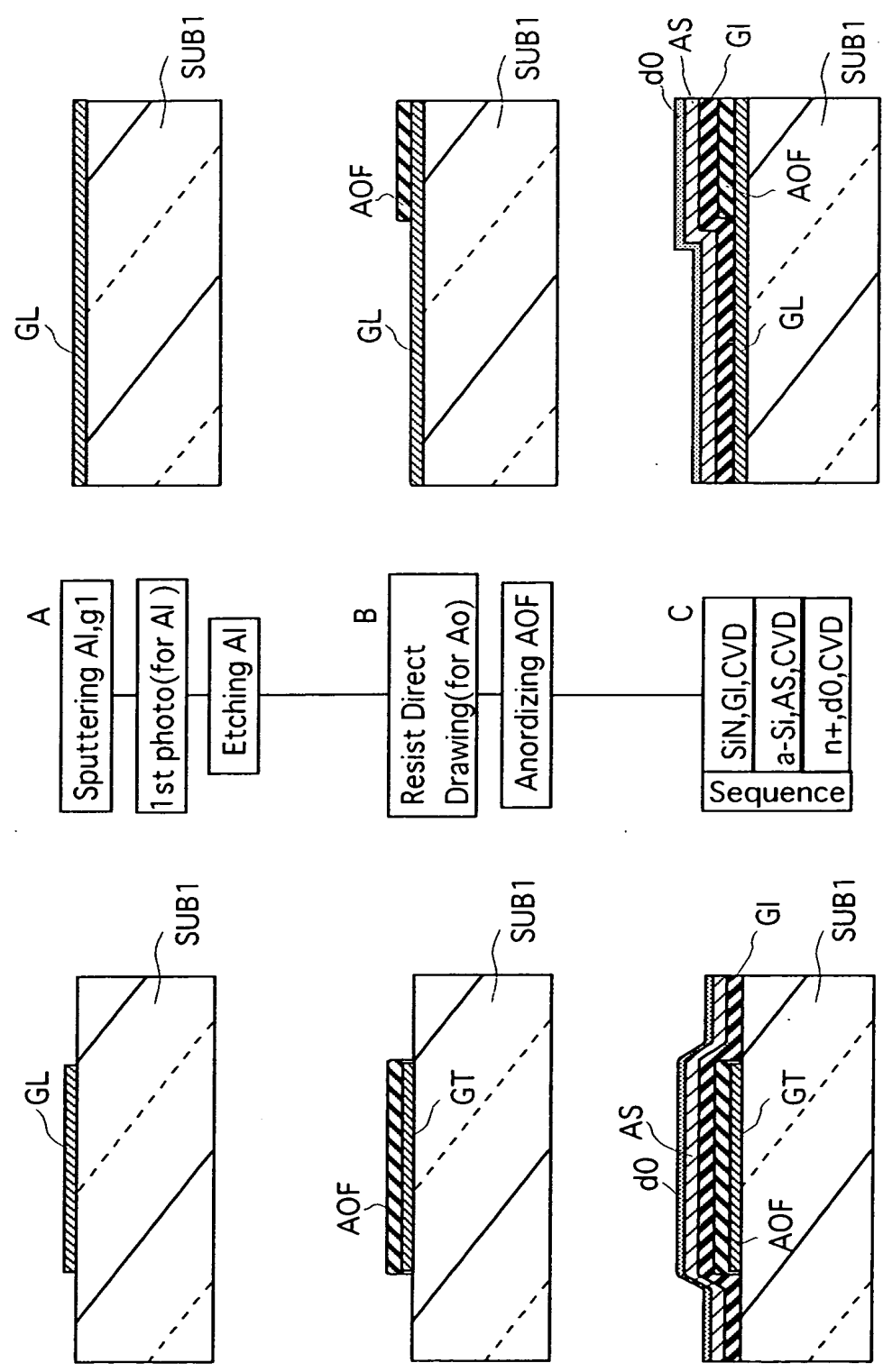


FIG. 13

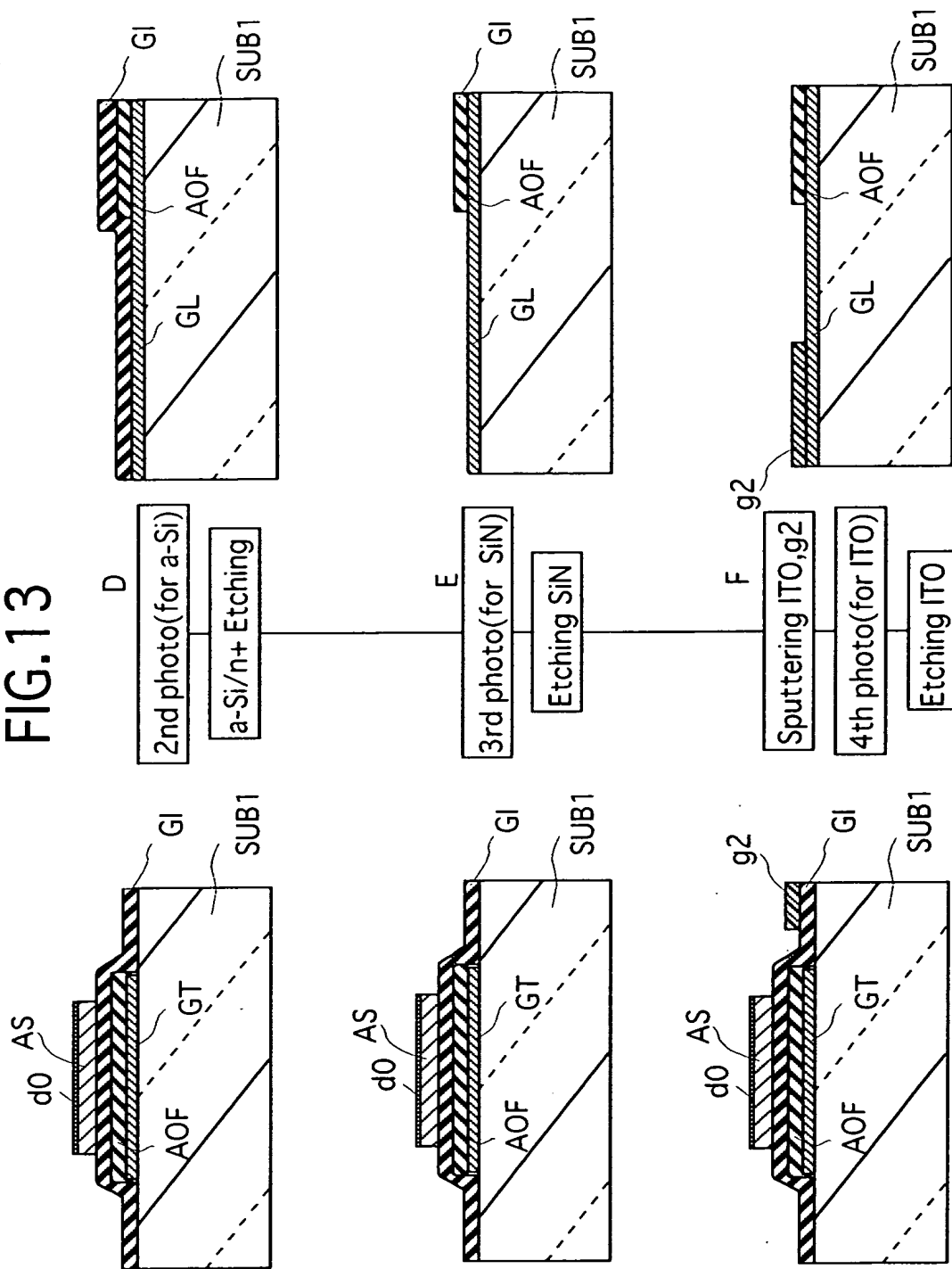


FIG. 14

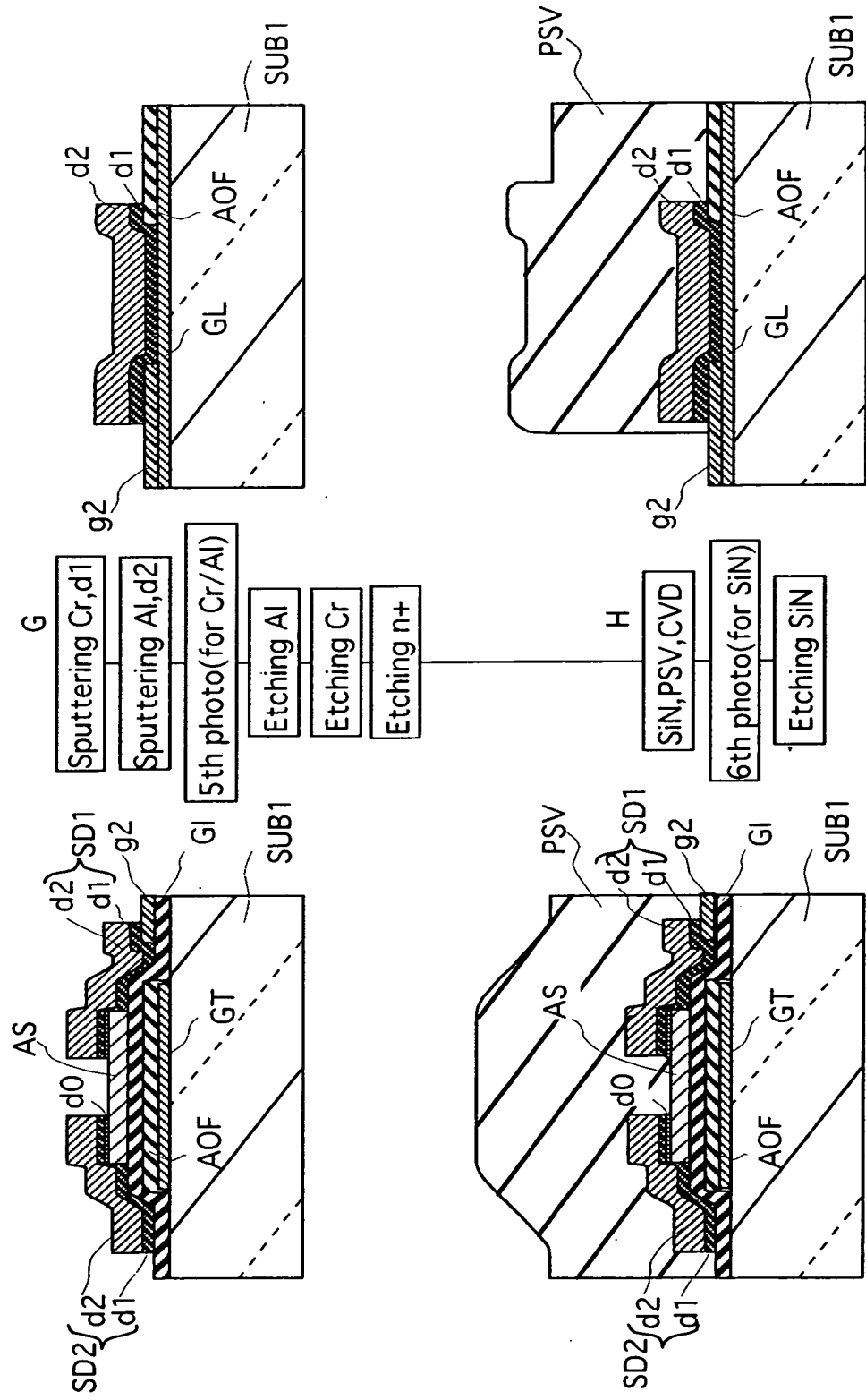


FIG.1 5

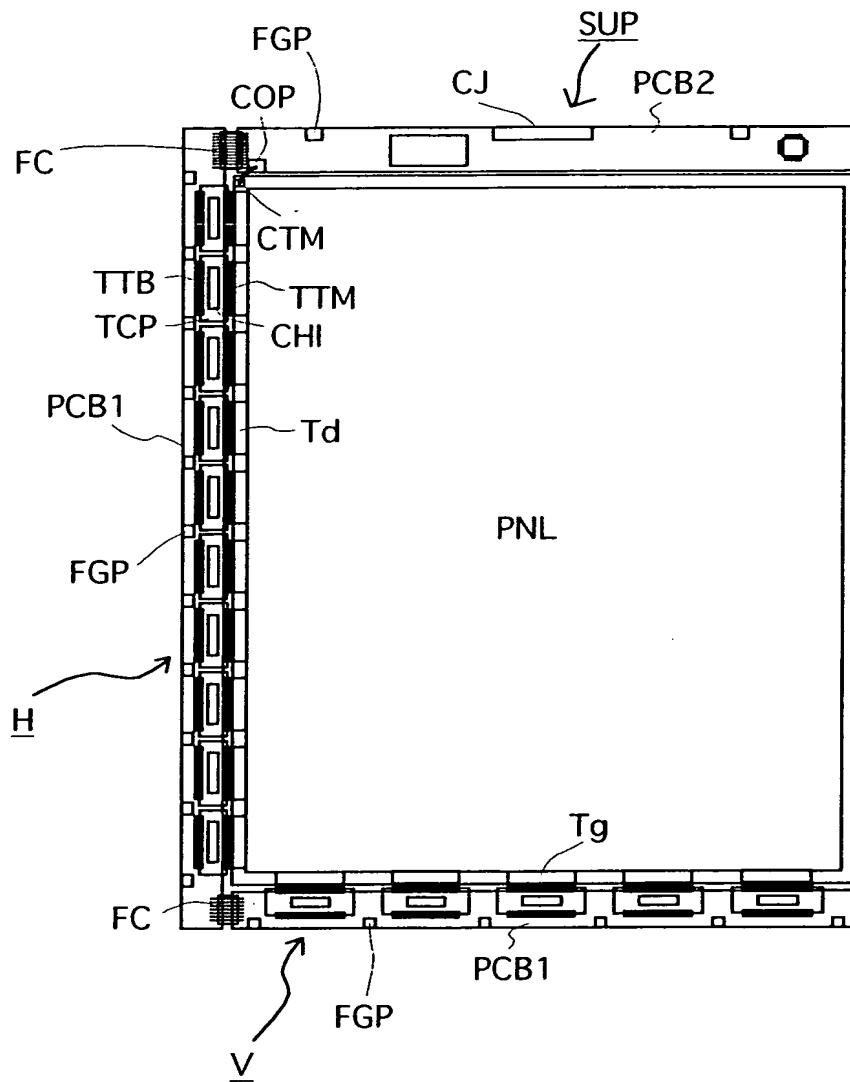


FIG.16

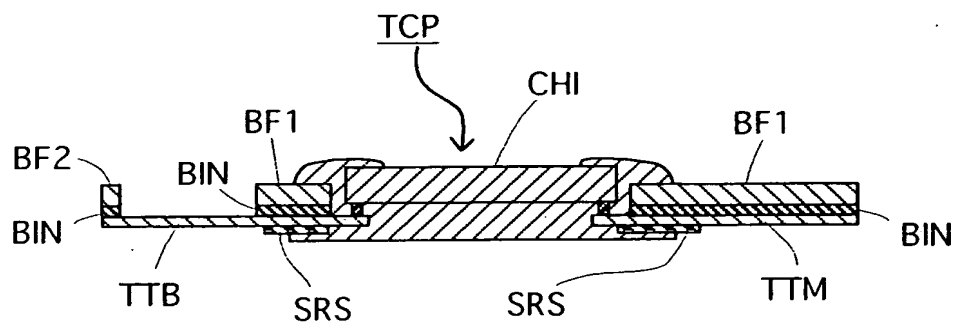


FIG.17

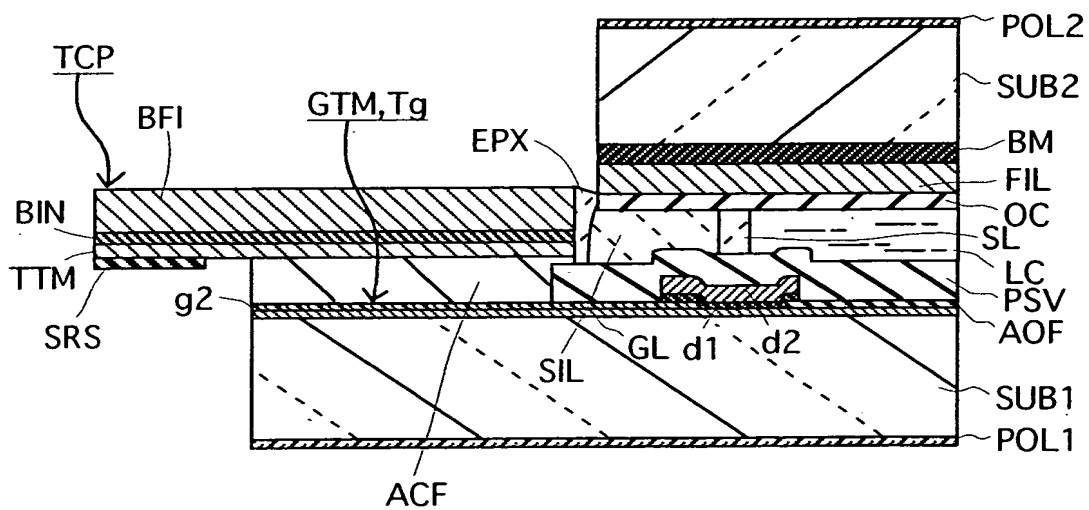


FIG.18

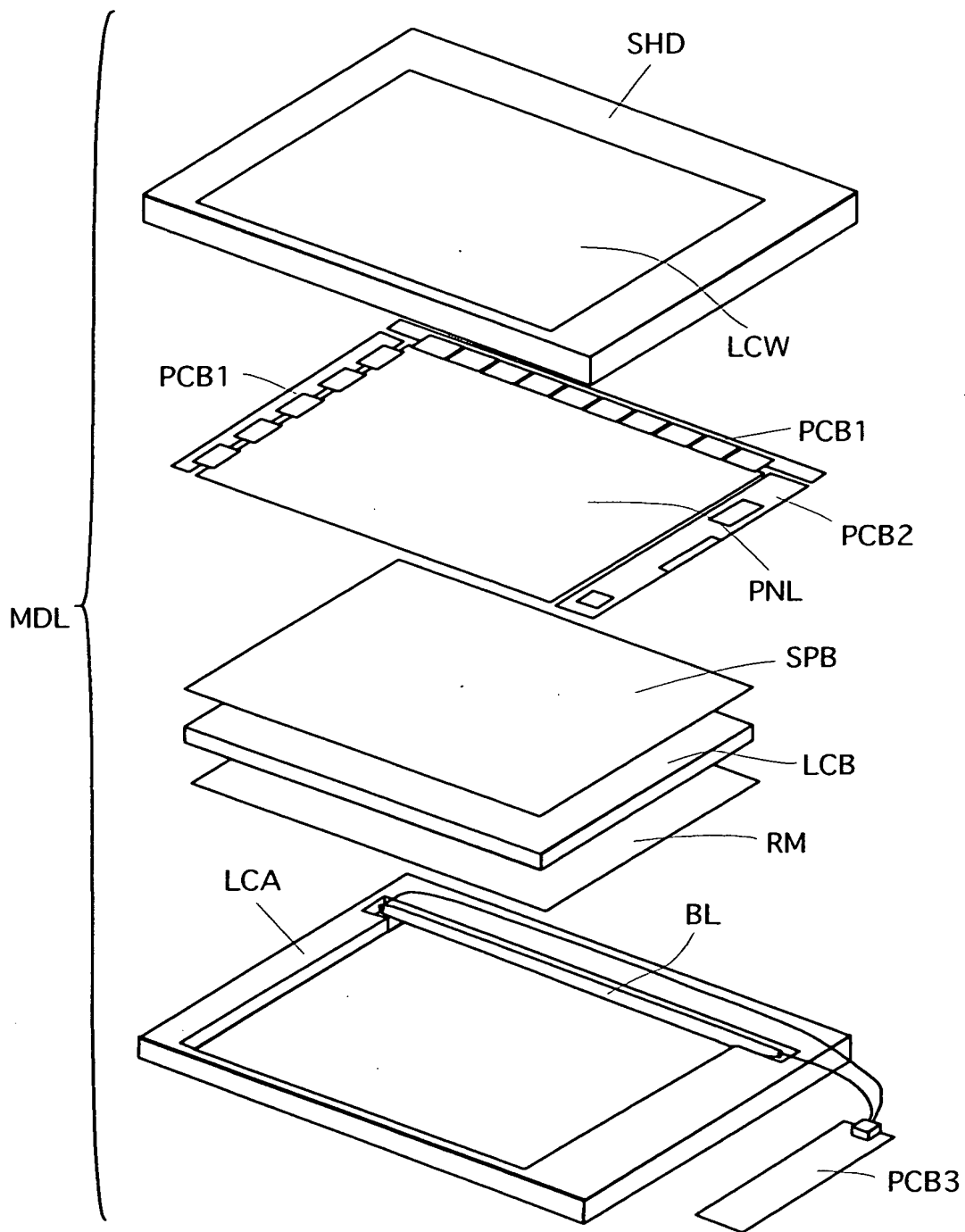


FIG.19

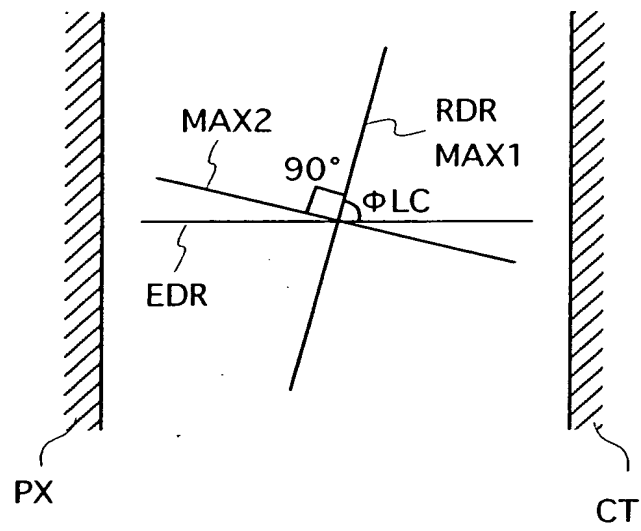


FIG.20

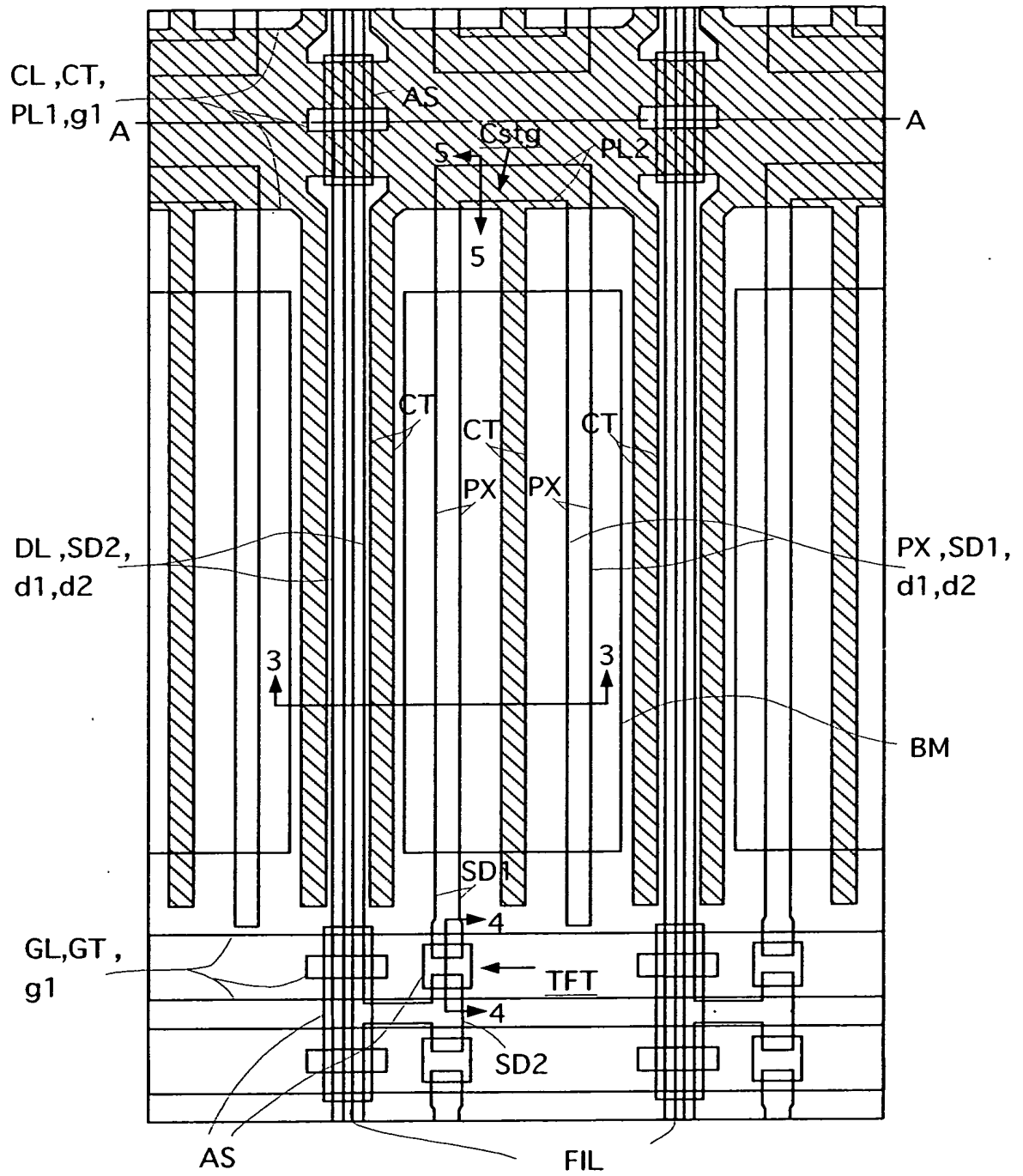


FIG.21

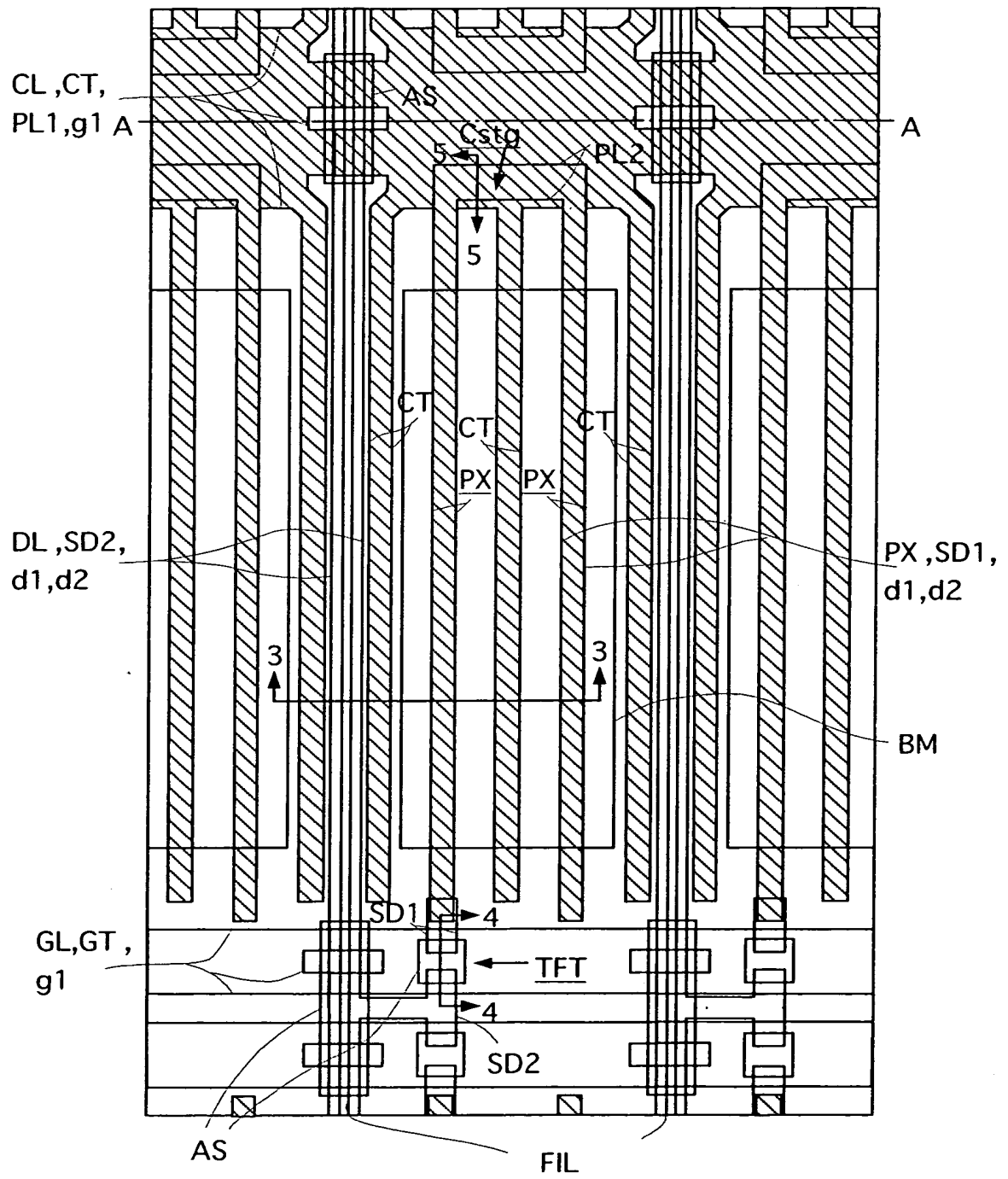


FIG.22

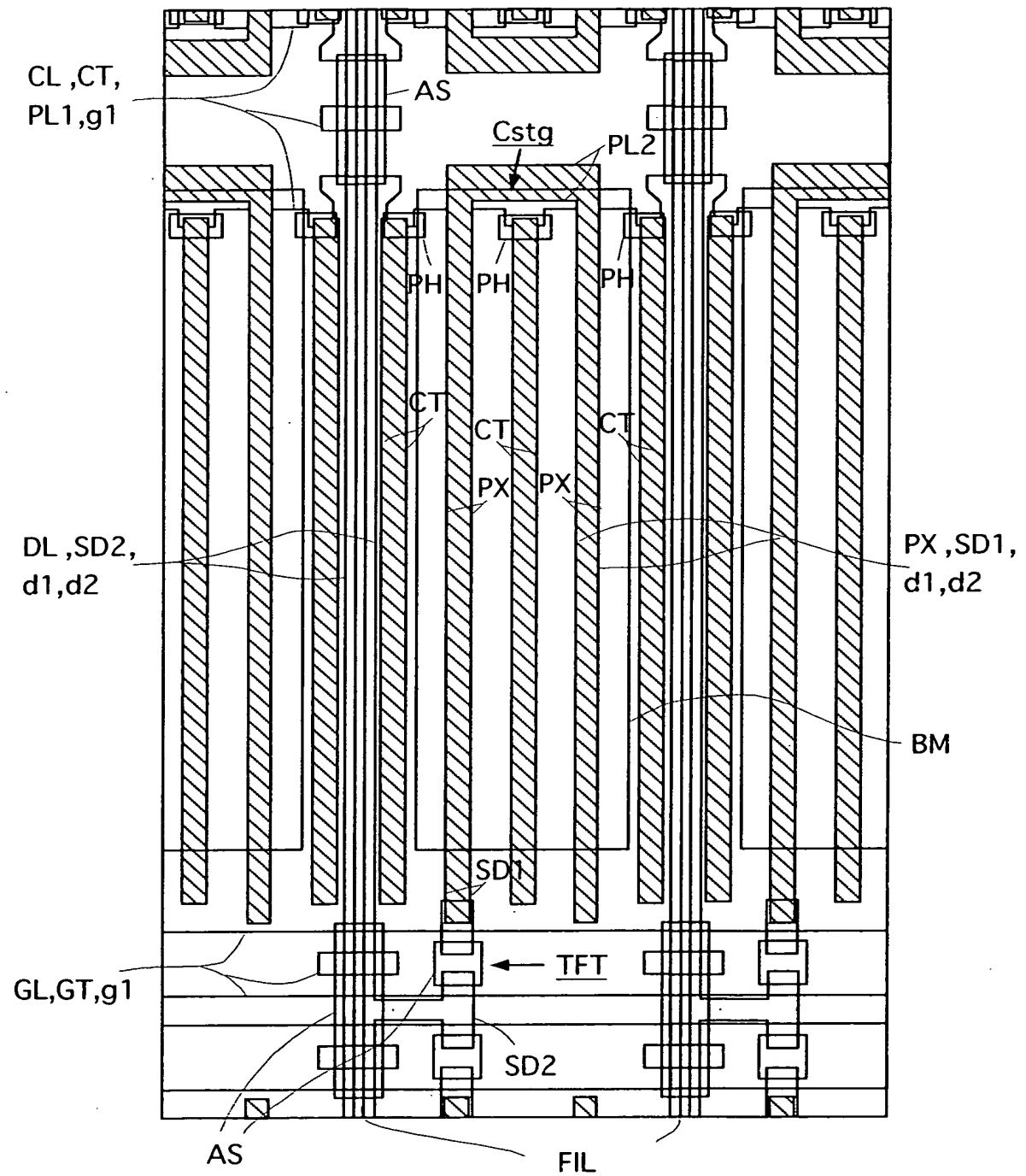


FIG.23

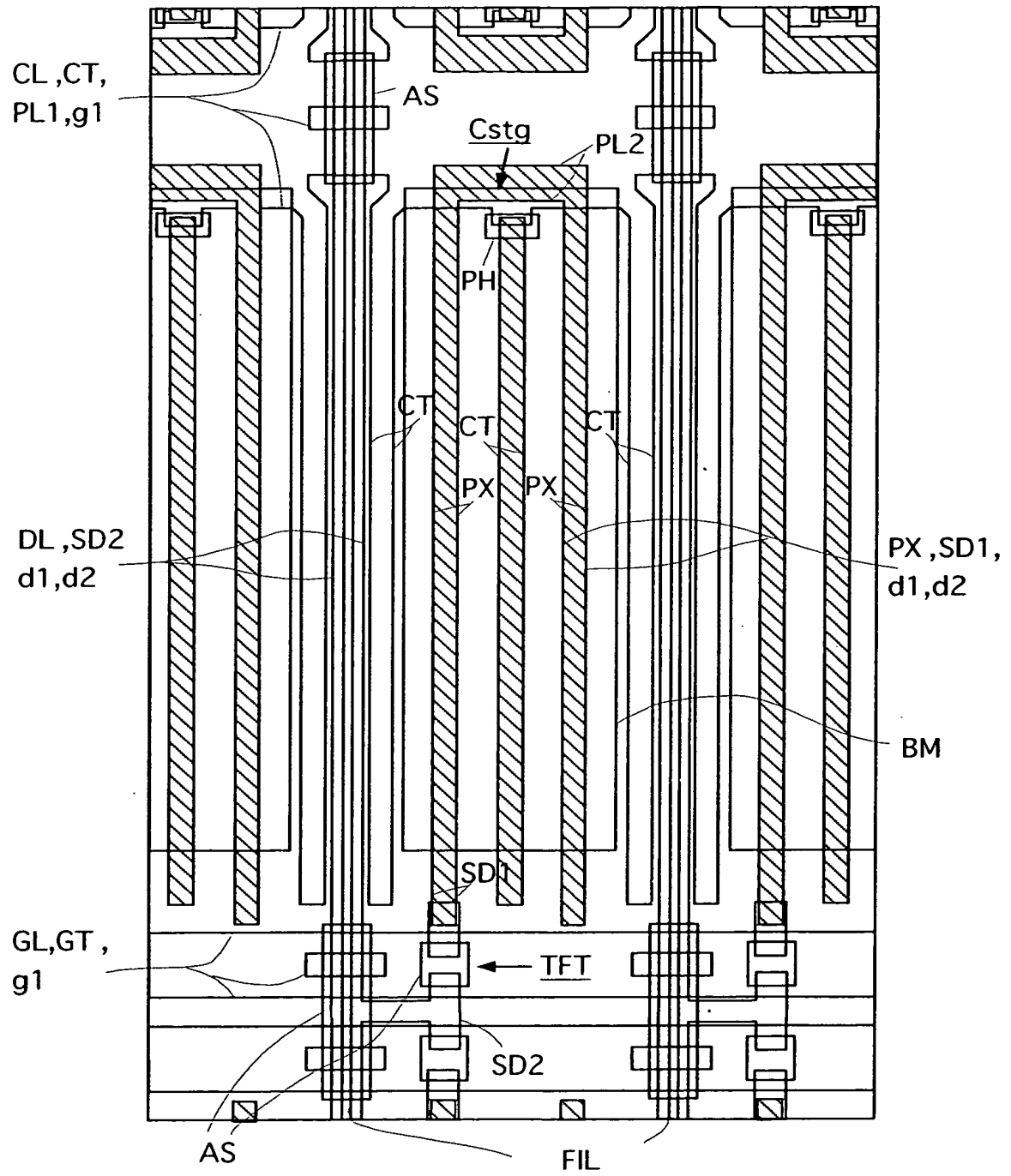


FIG.24A

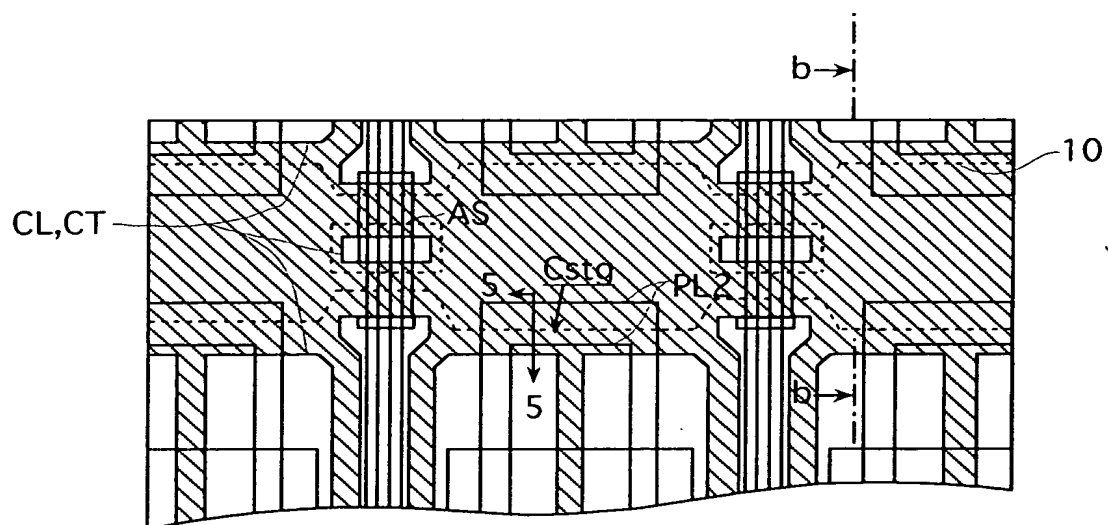


FIG.24B

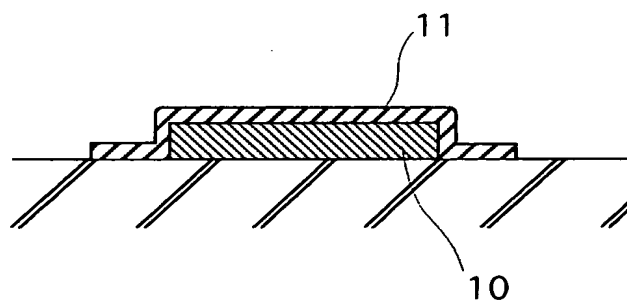


FIG.24C

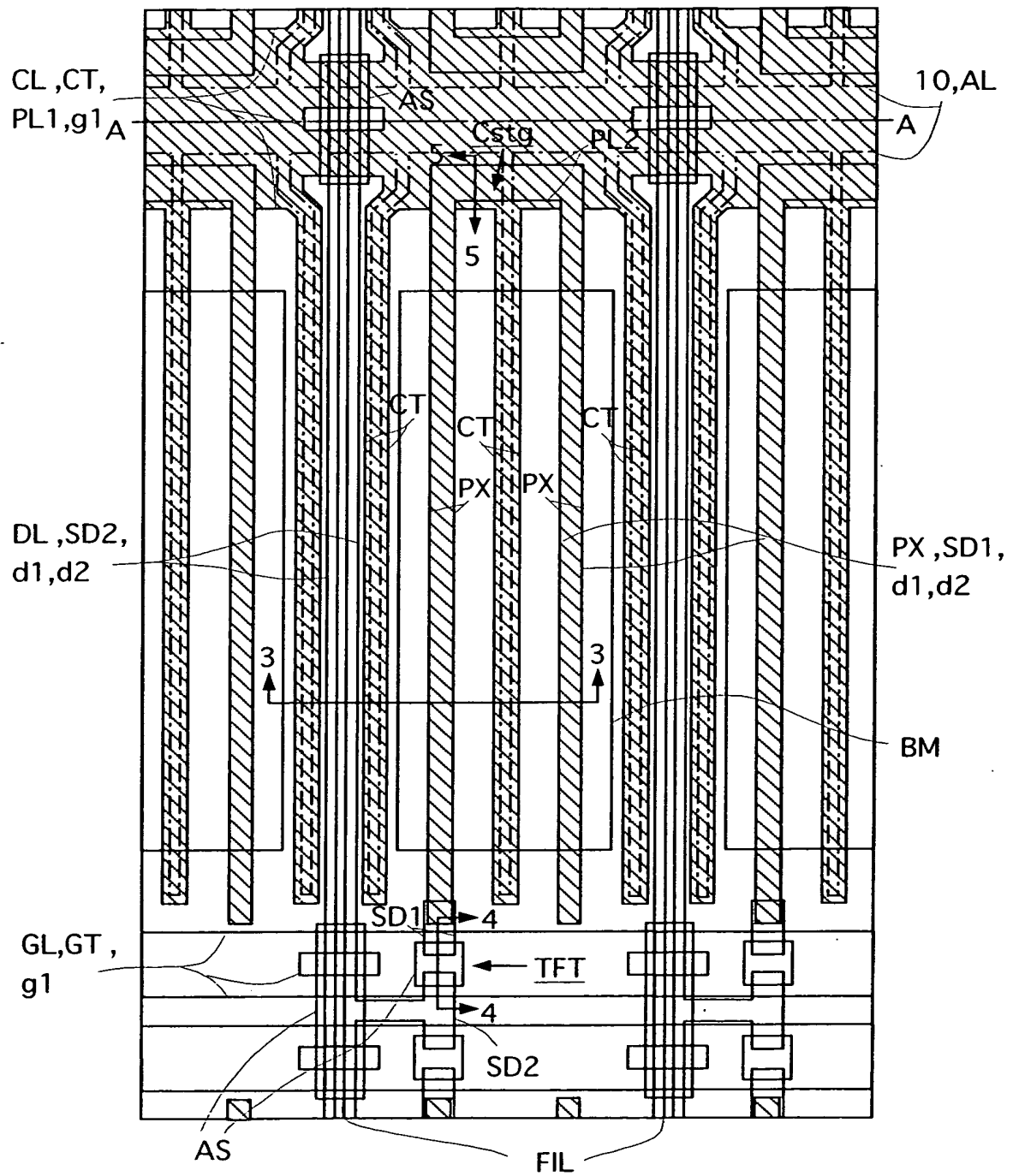


FIG.25

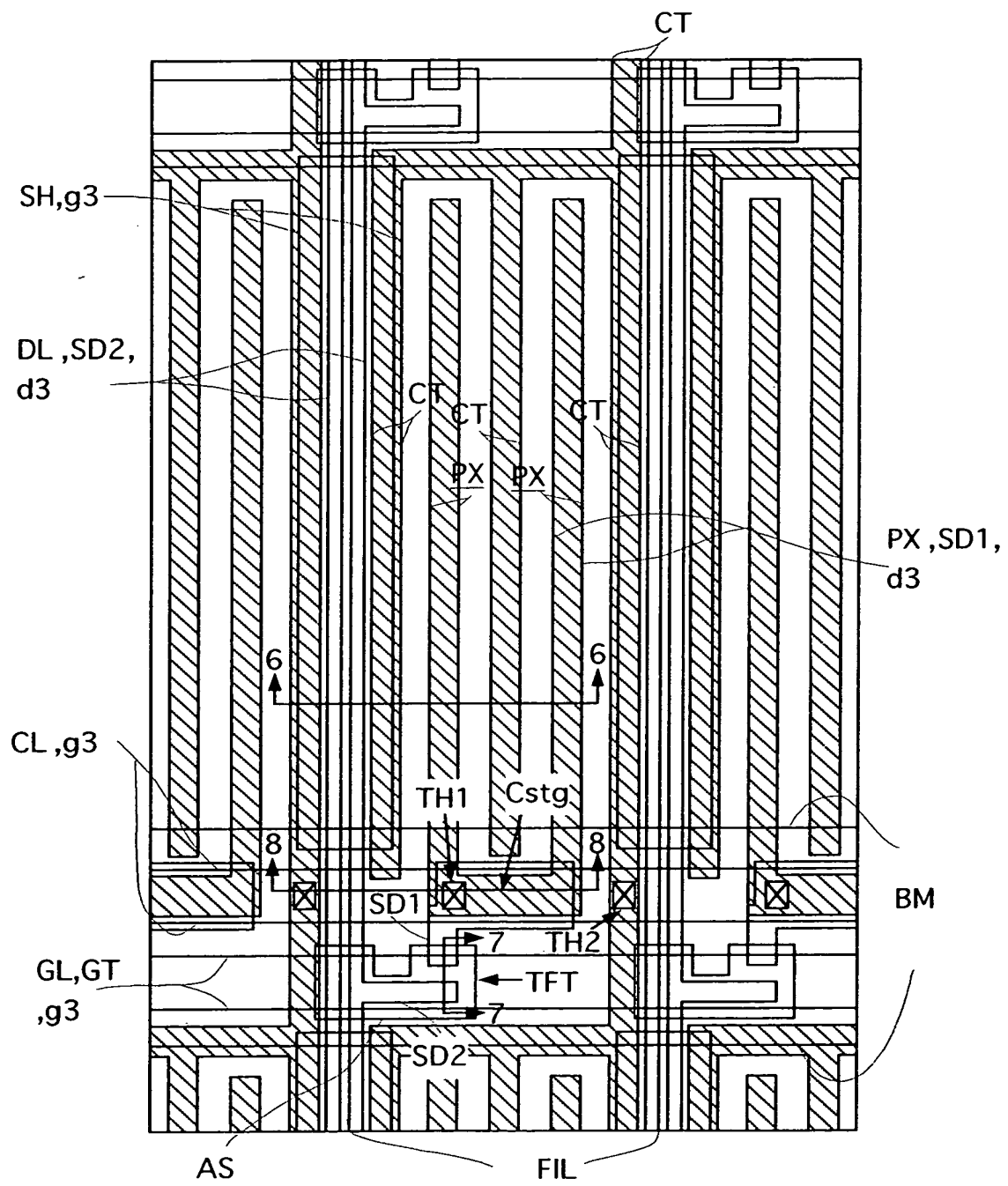


FIG.26

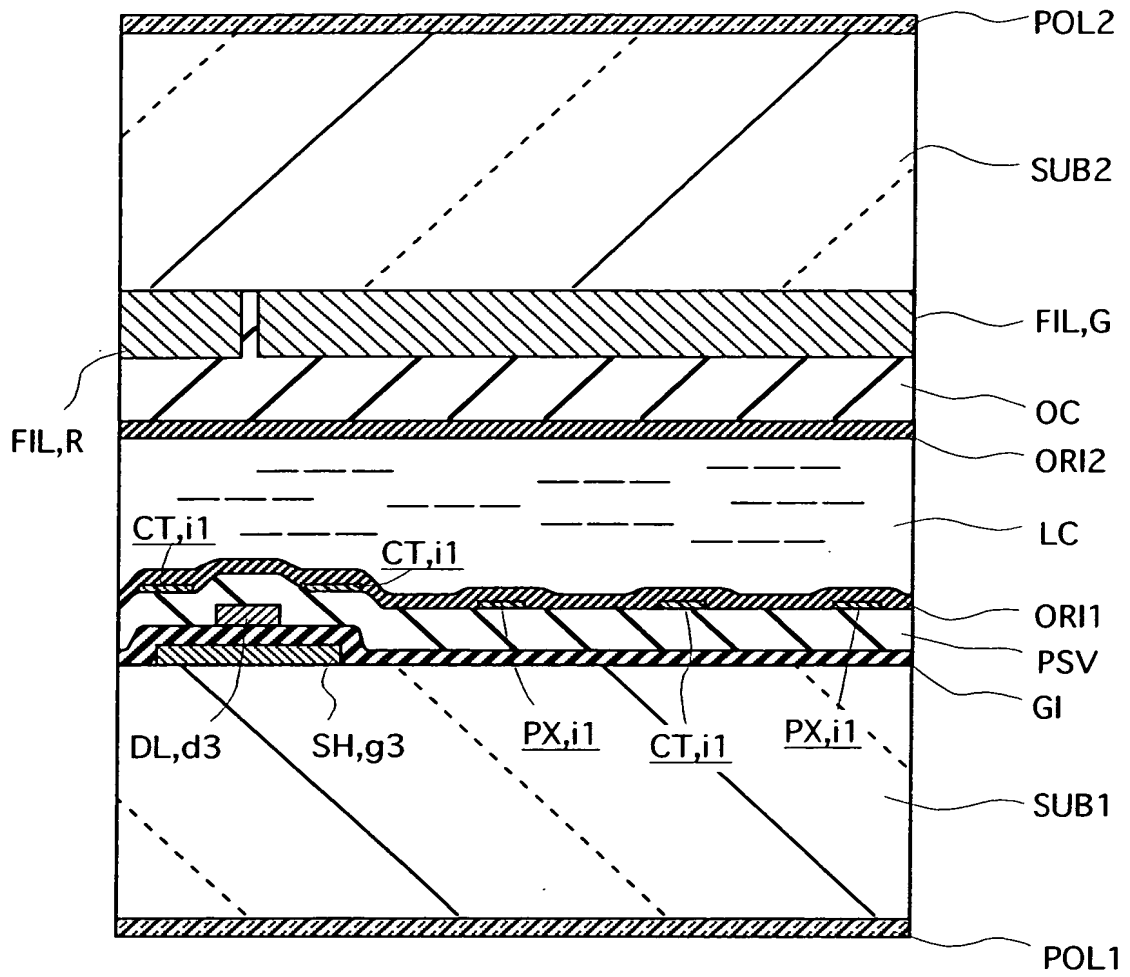


FIG.27

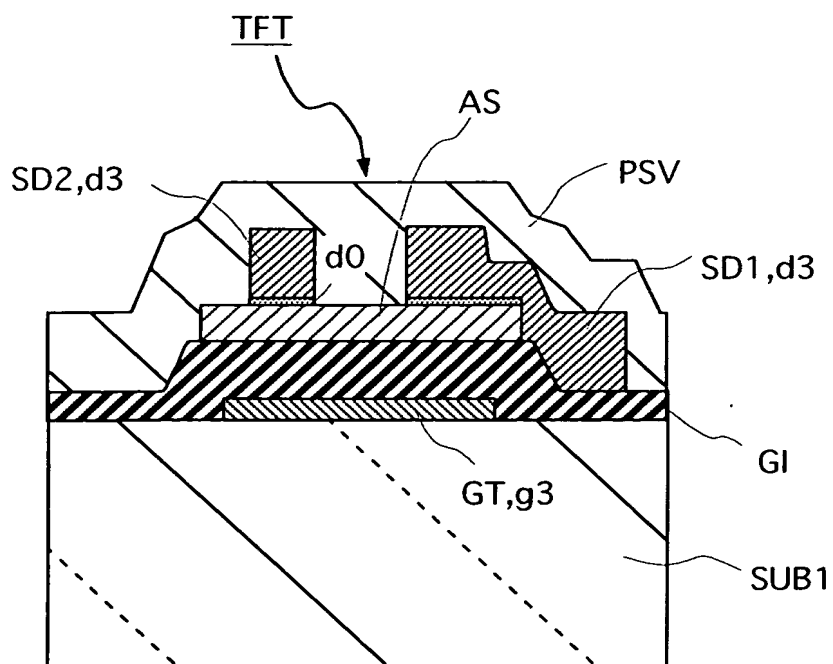


FIG.28

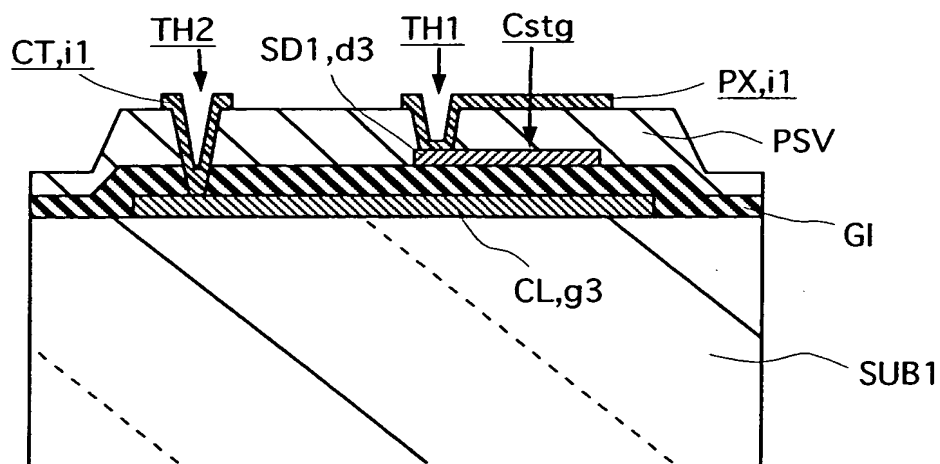


FIG.29A

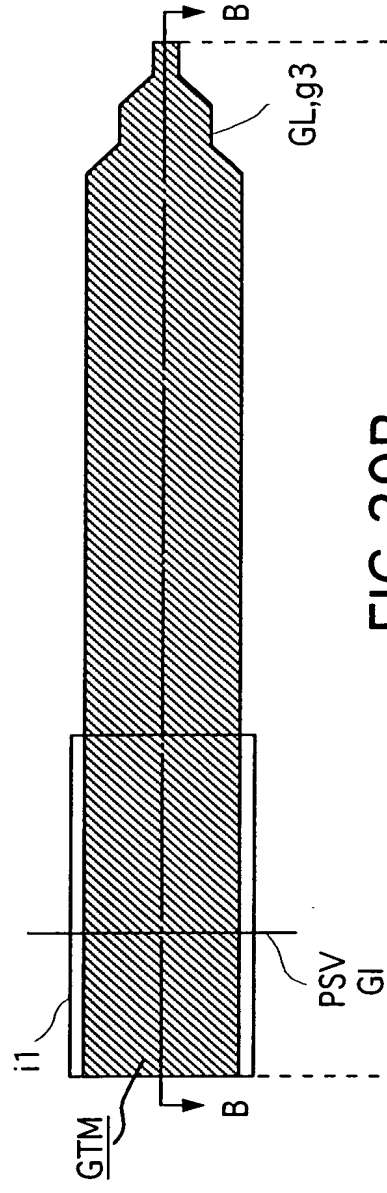


FIG.29B

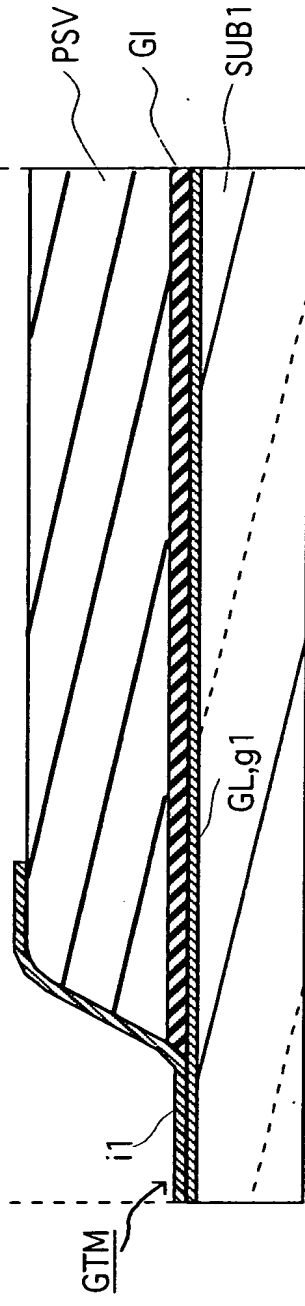


FIG. 30A

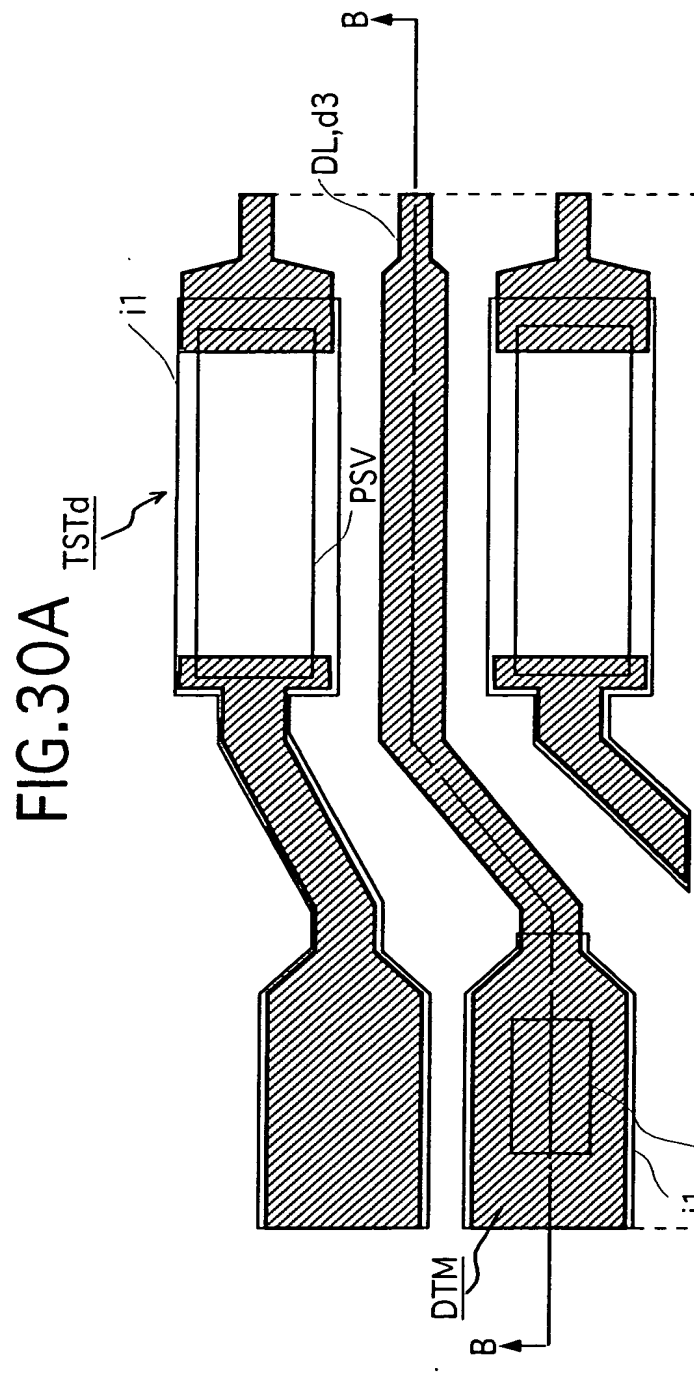


FIG. 30B

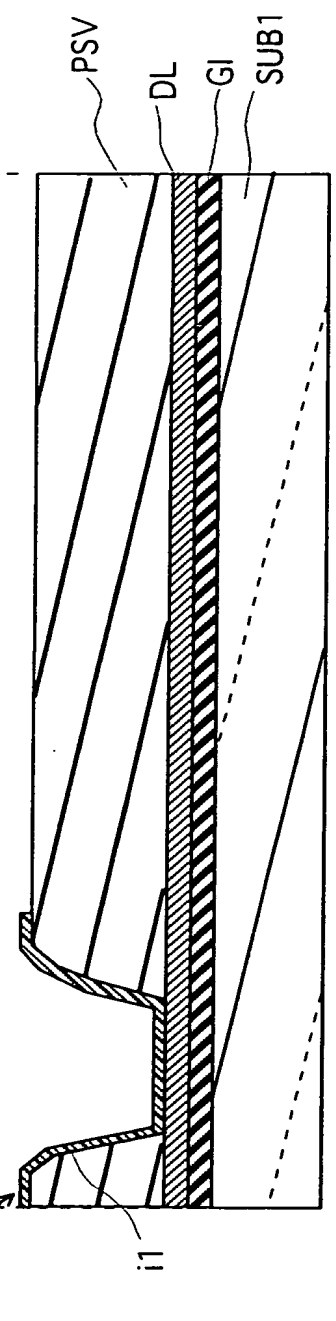


FIG.31A

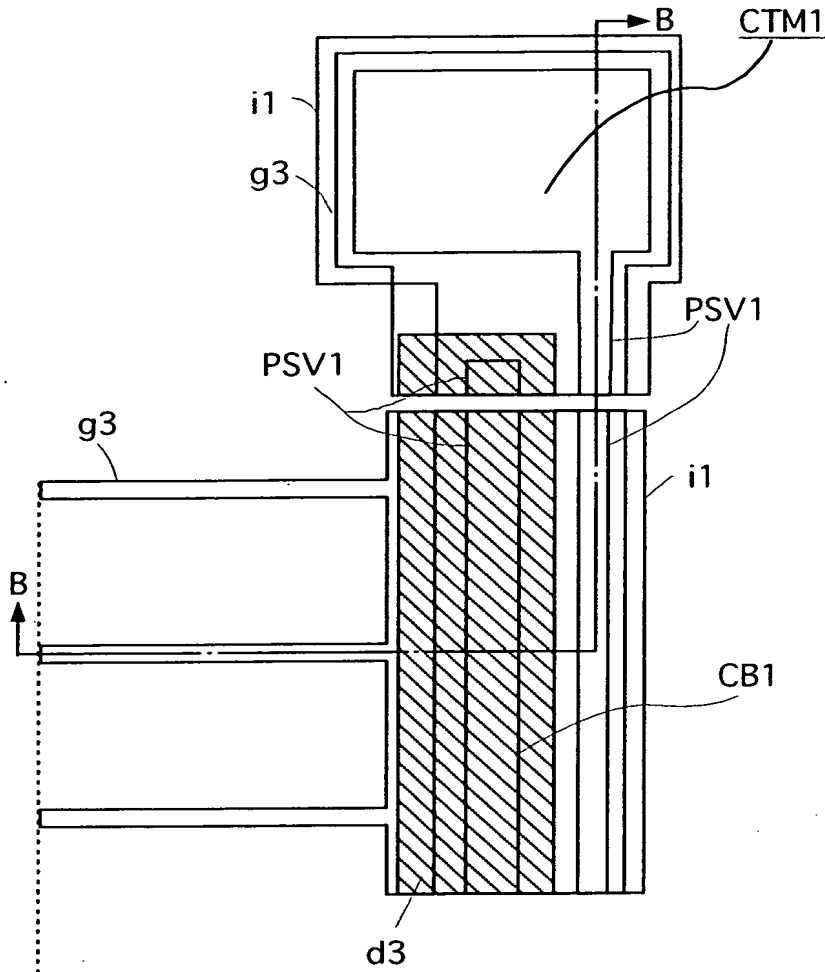


FIG.31B

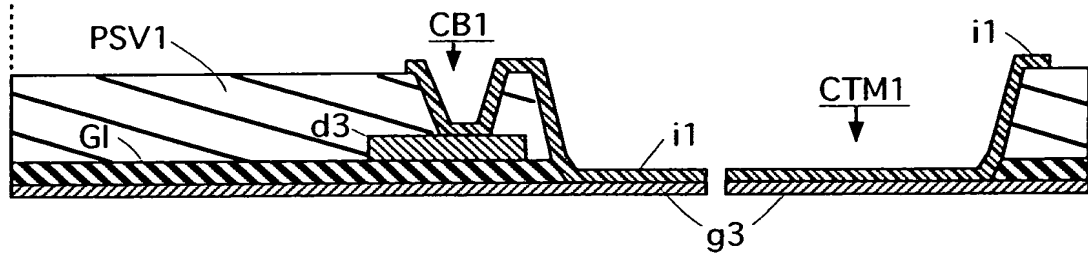


FIG.32A

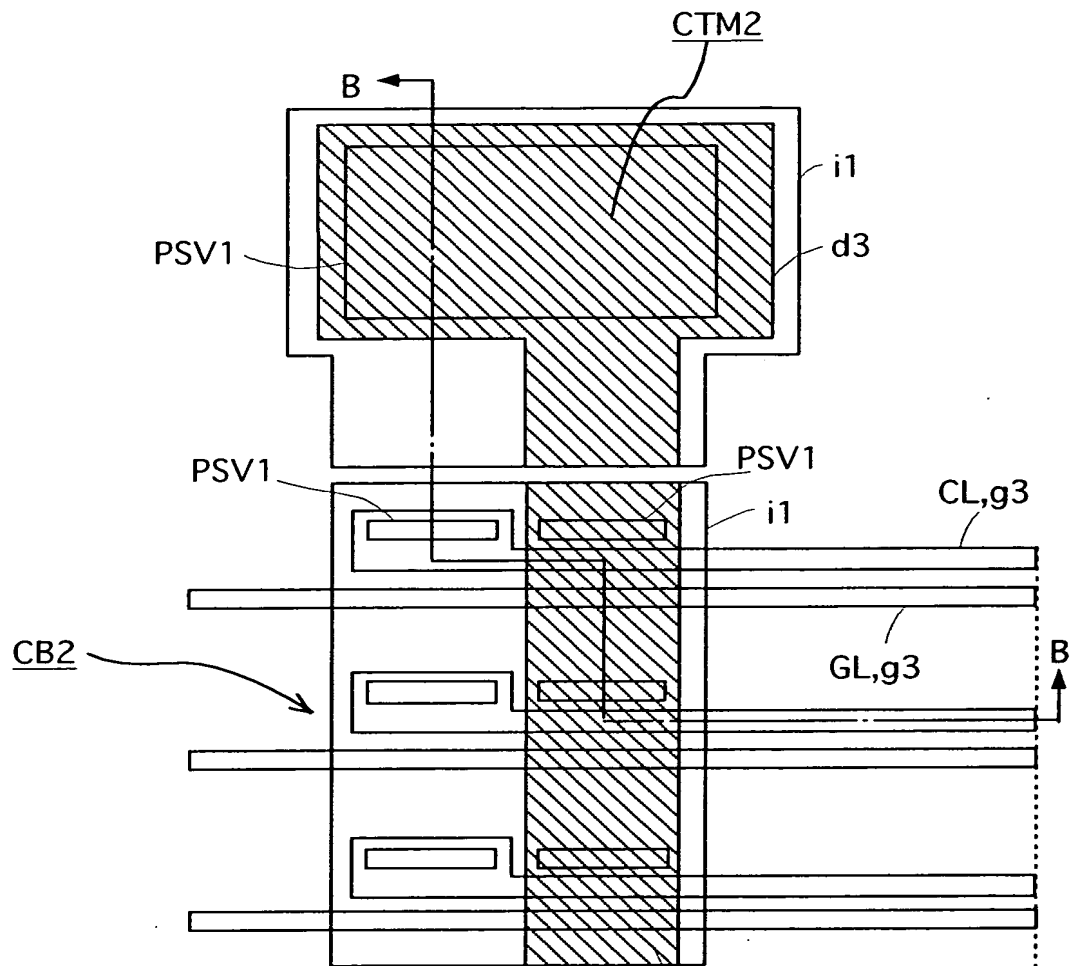


FIG.32B^{d3}

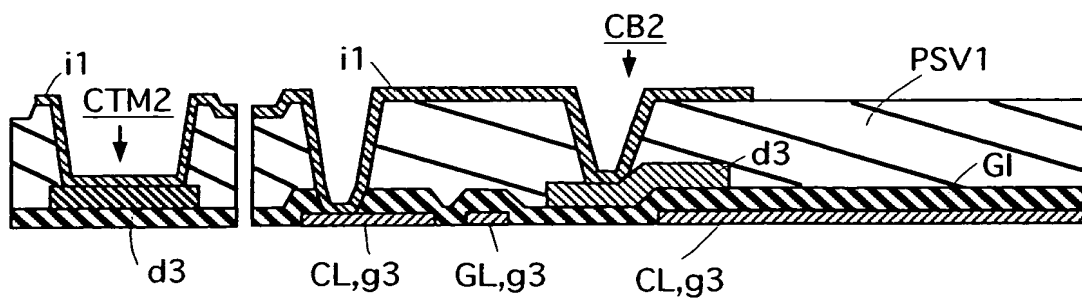


FIG.33

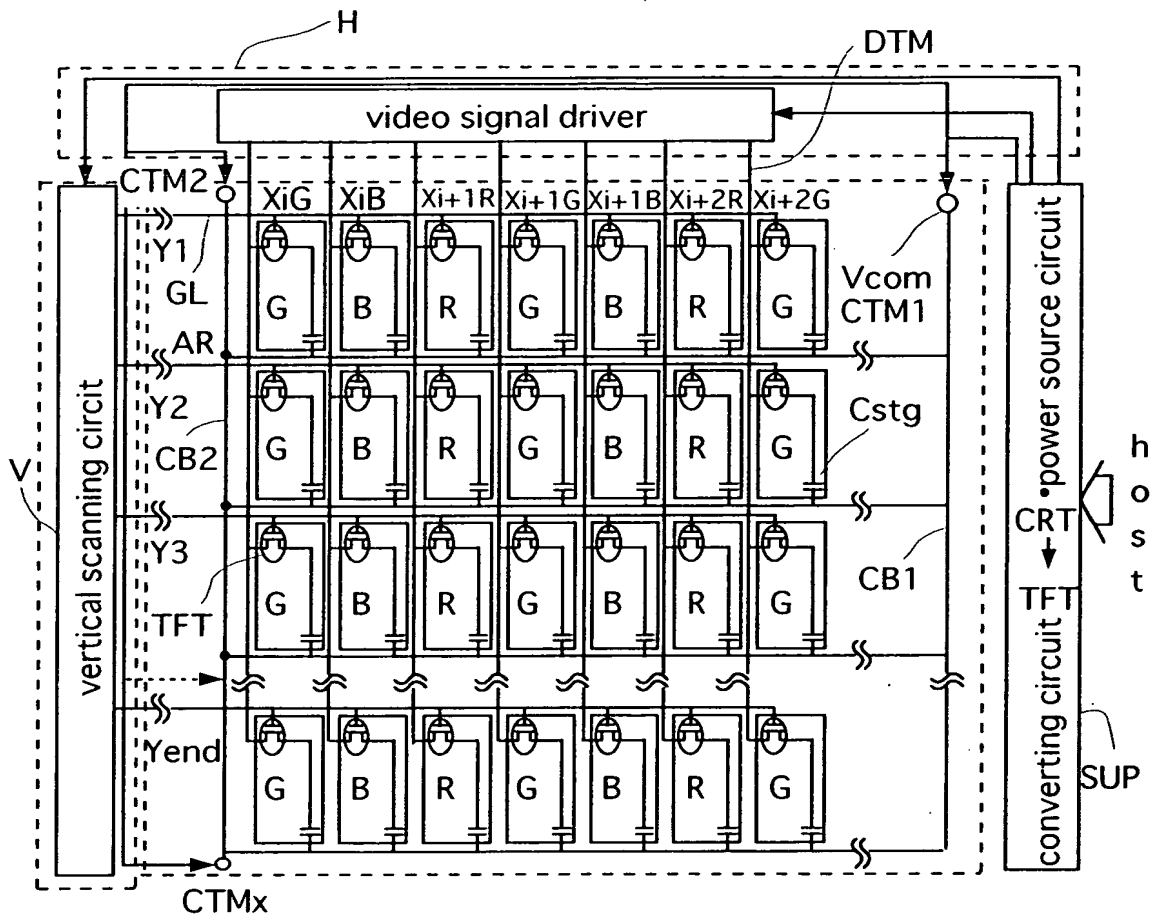


FIG.34

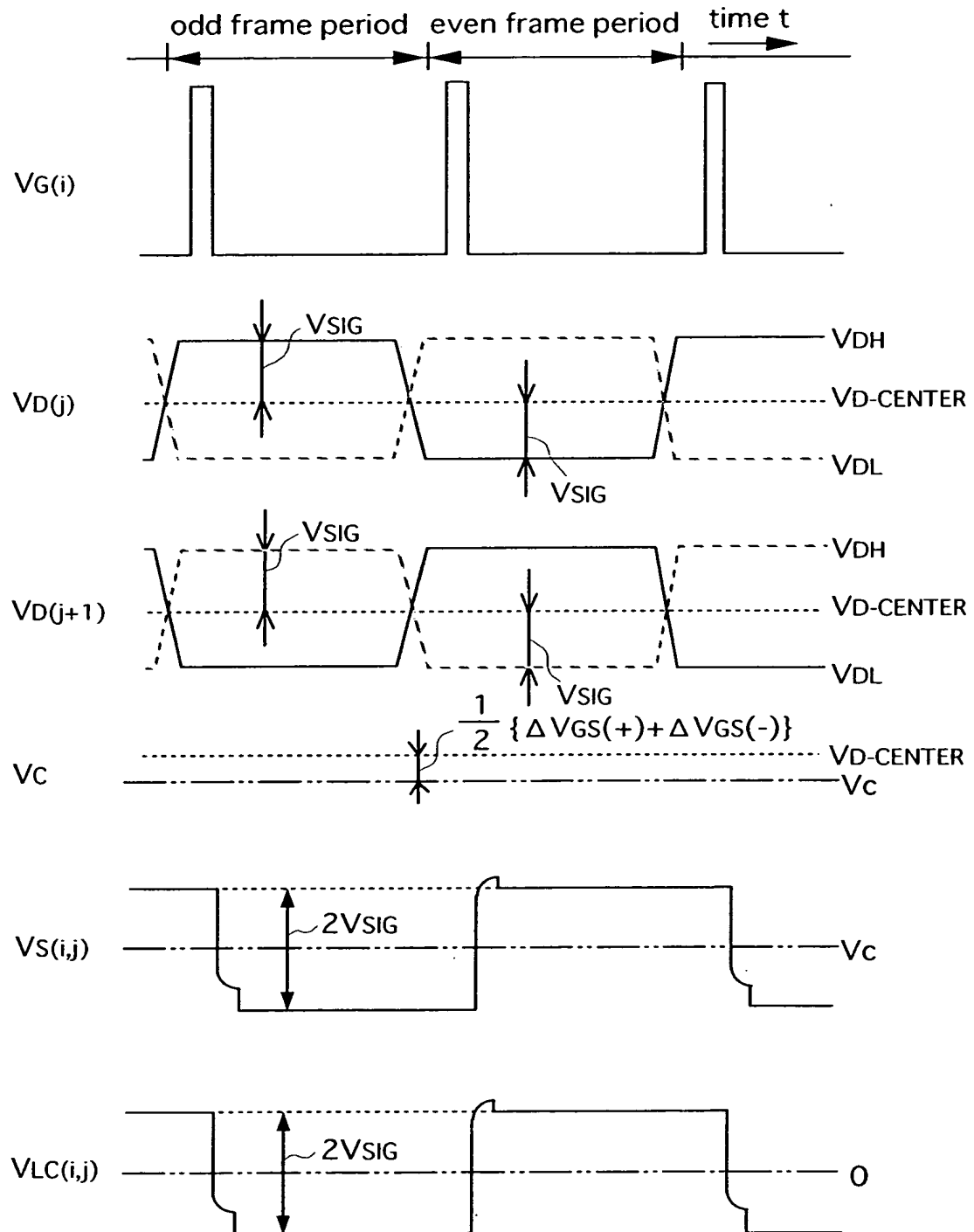


FIG.35

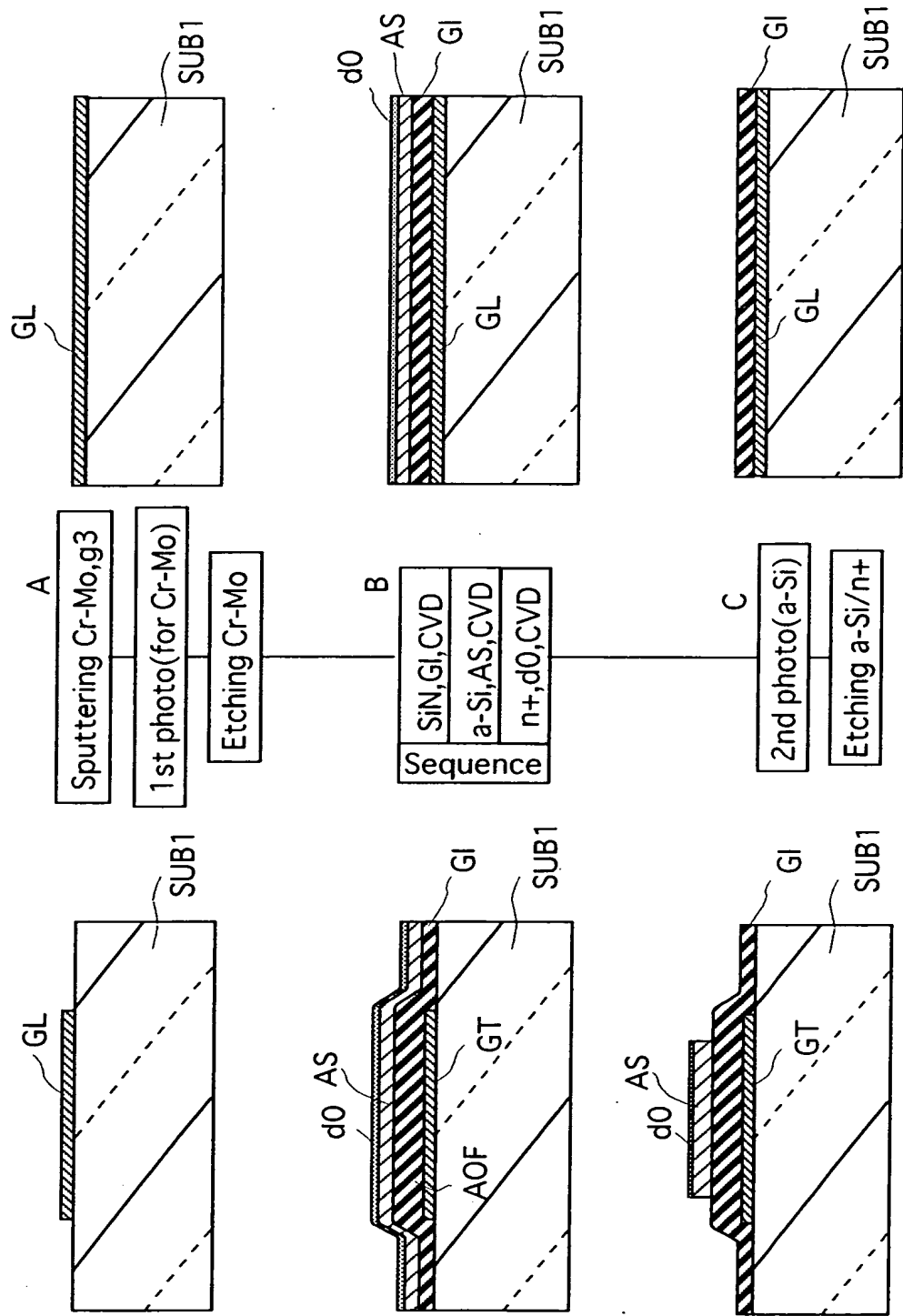


FIG.36

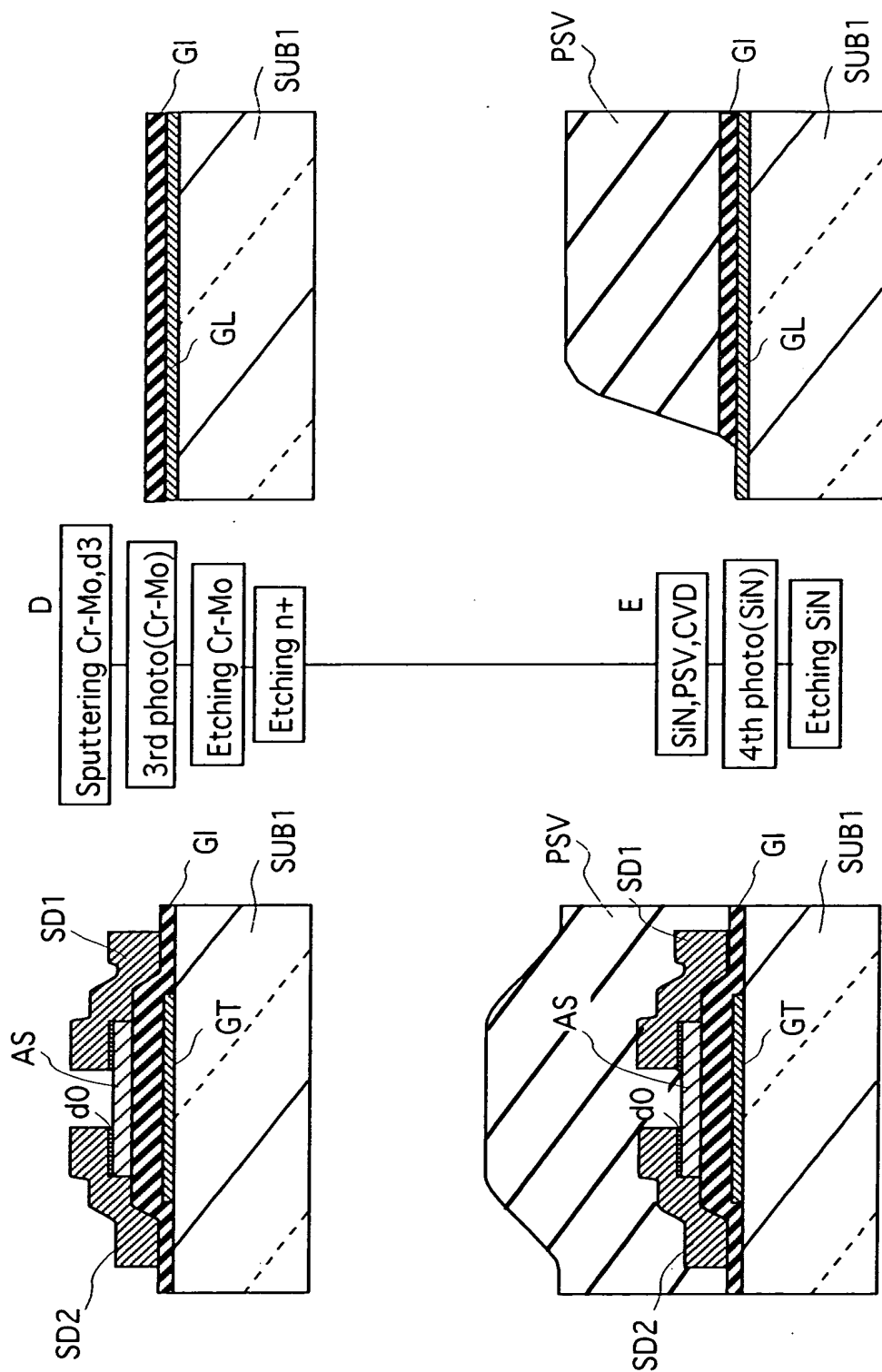


FIG.37

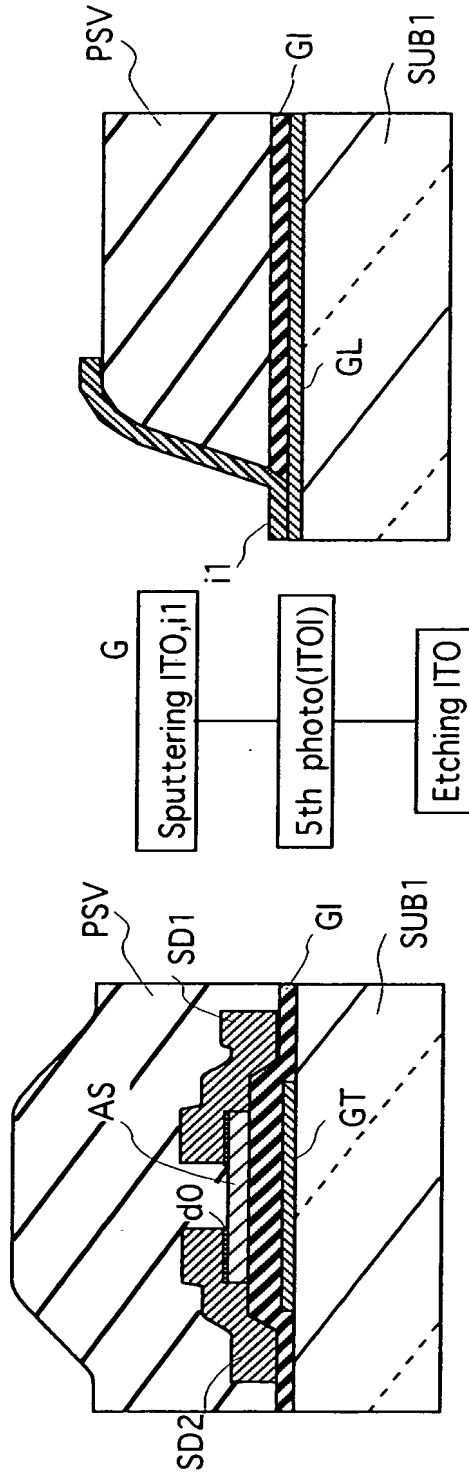


FIG.38

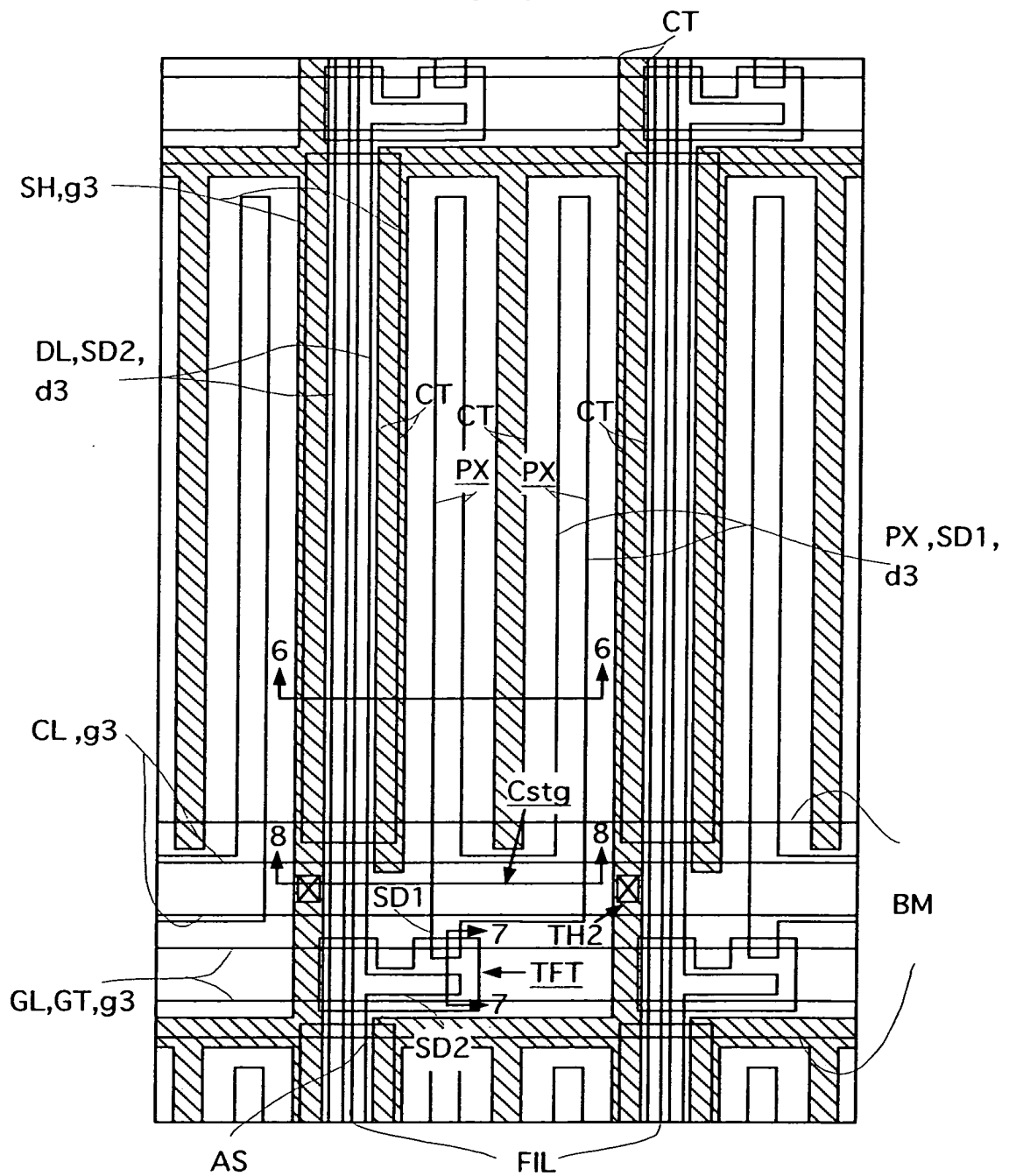


FIG.39

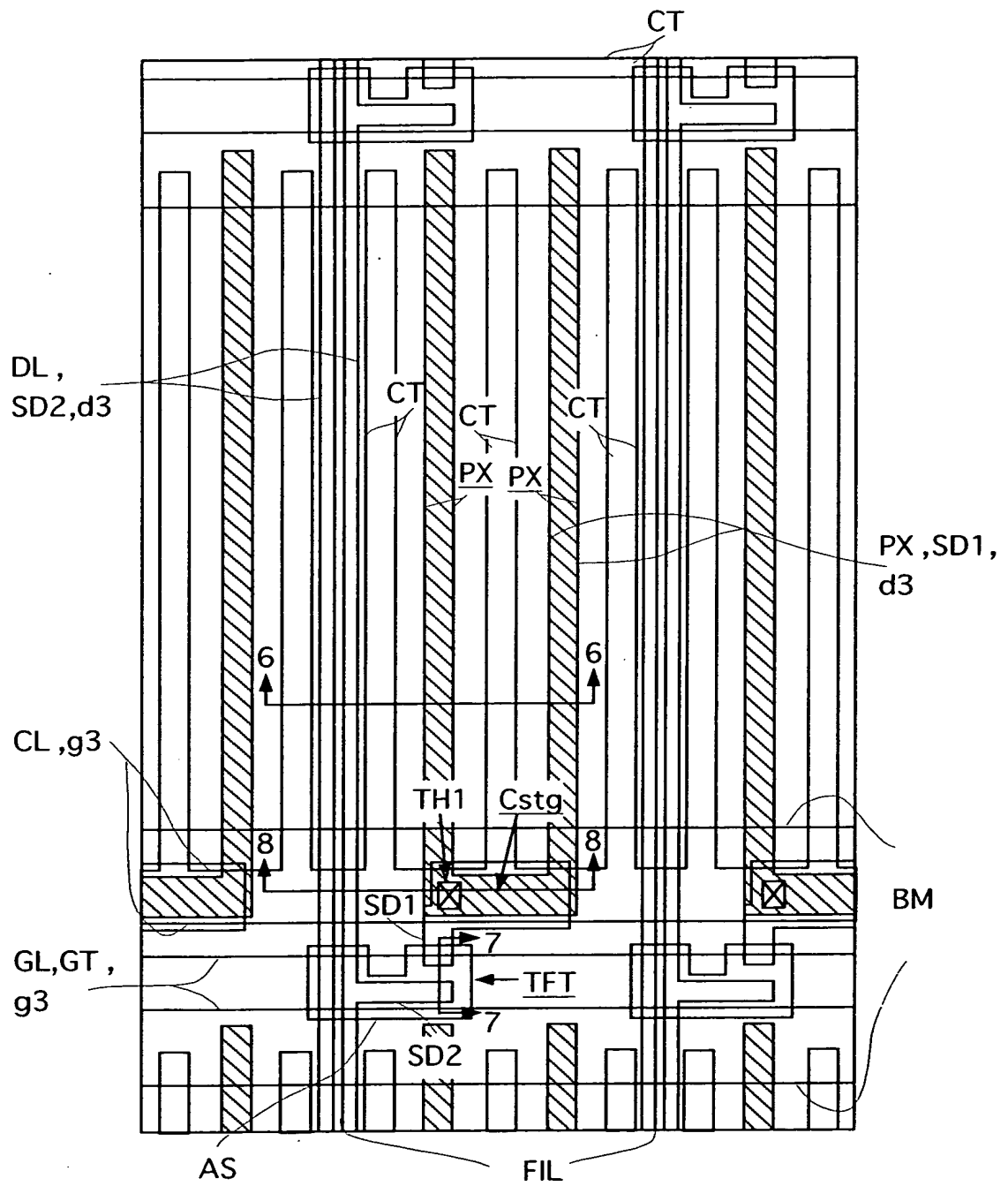


FIG.40

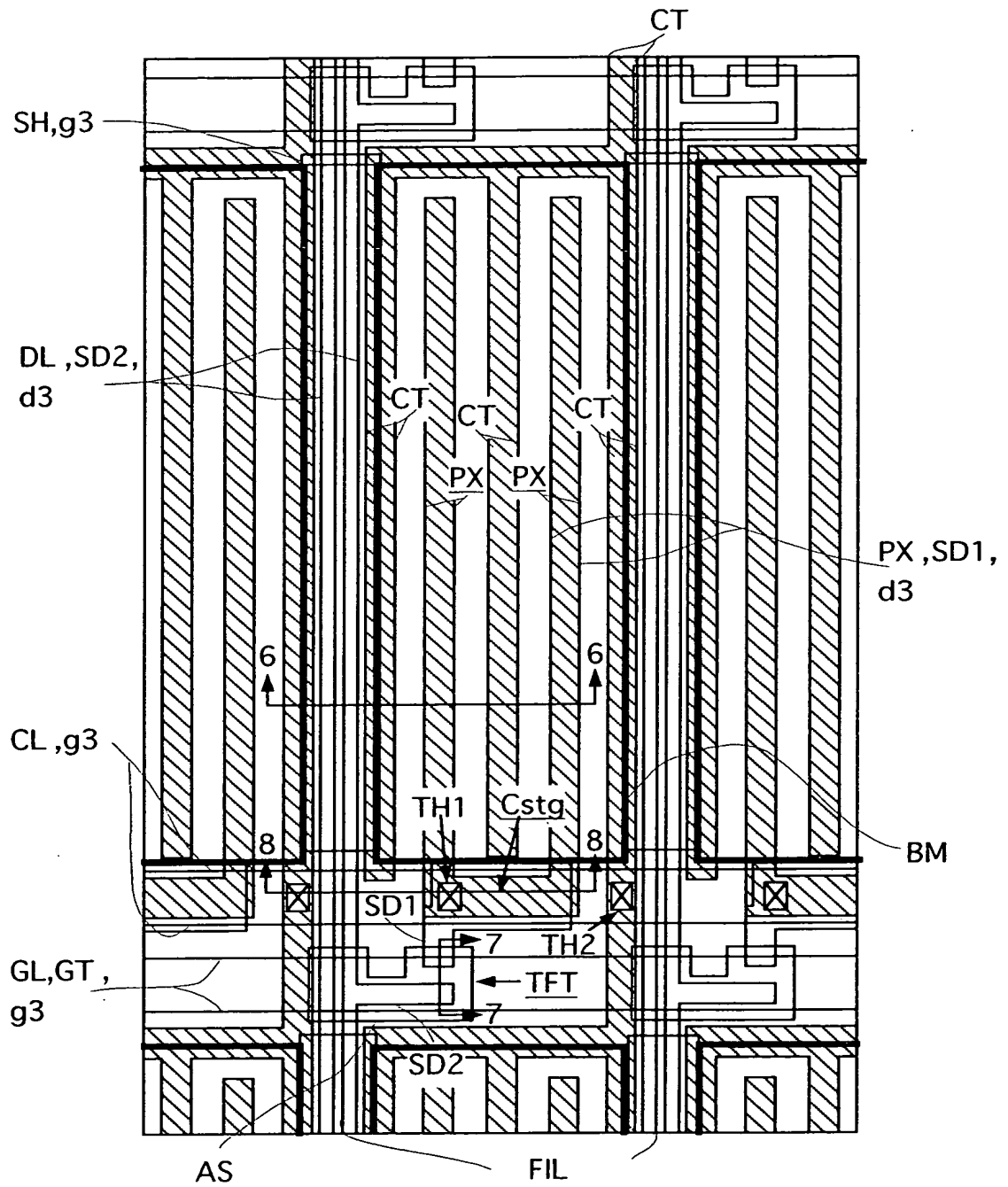


FIG.41A

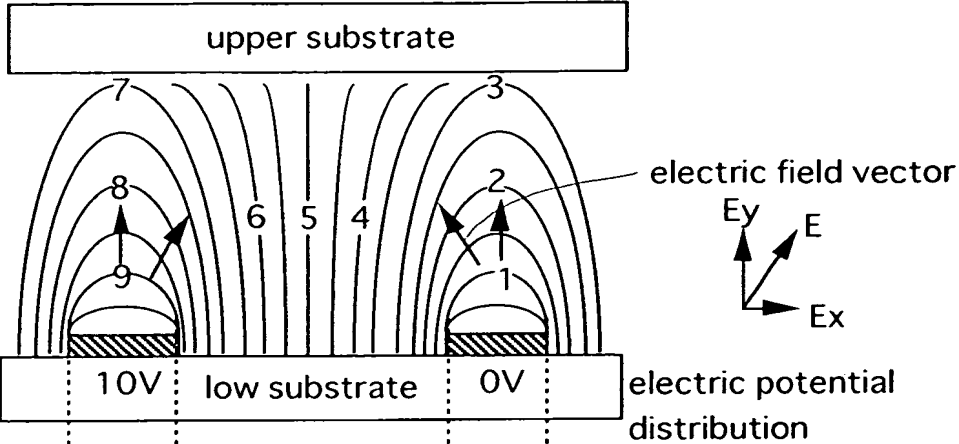


FIG.41B

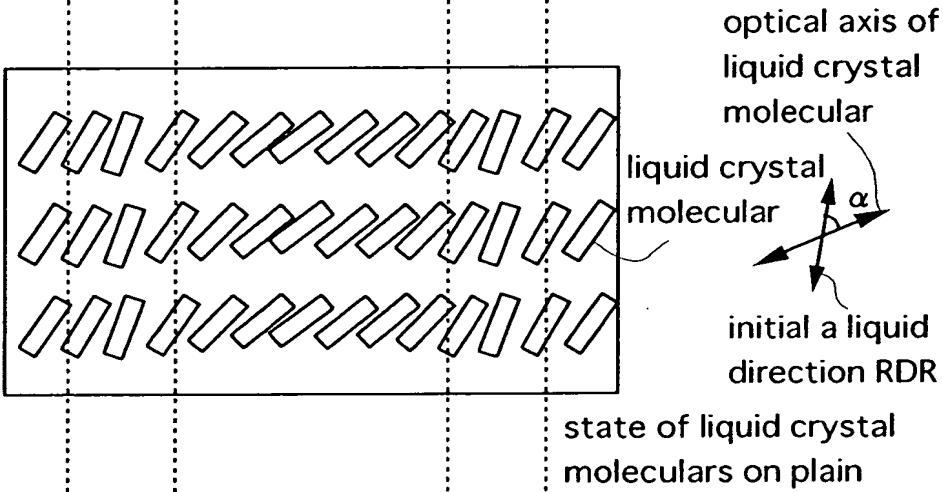


FIG.41C

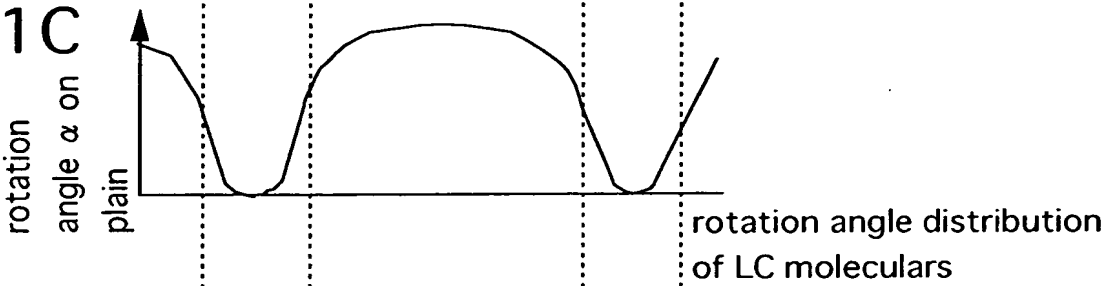


FIG.41D

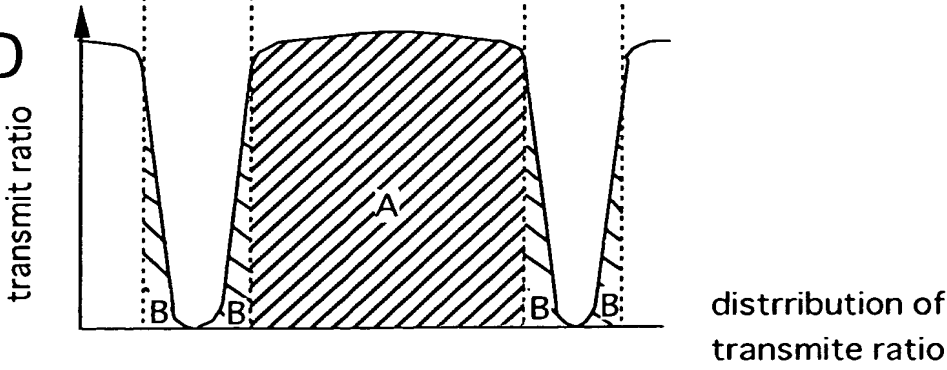
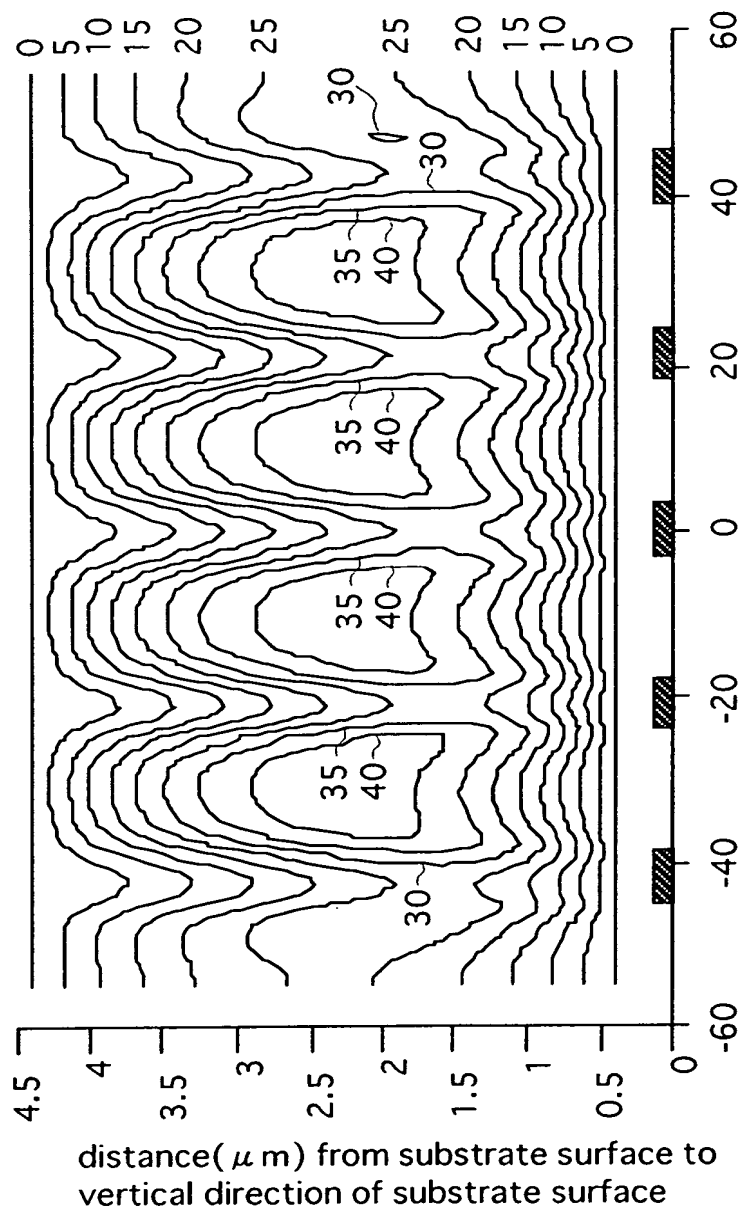


FIG. 42A



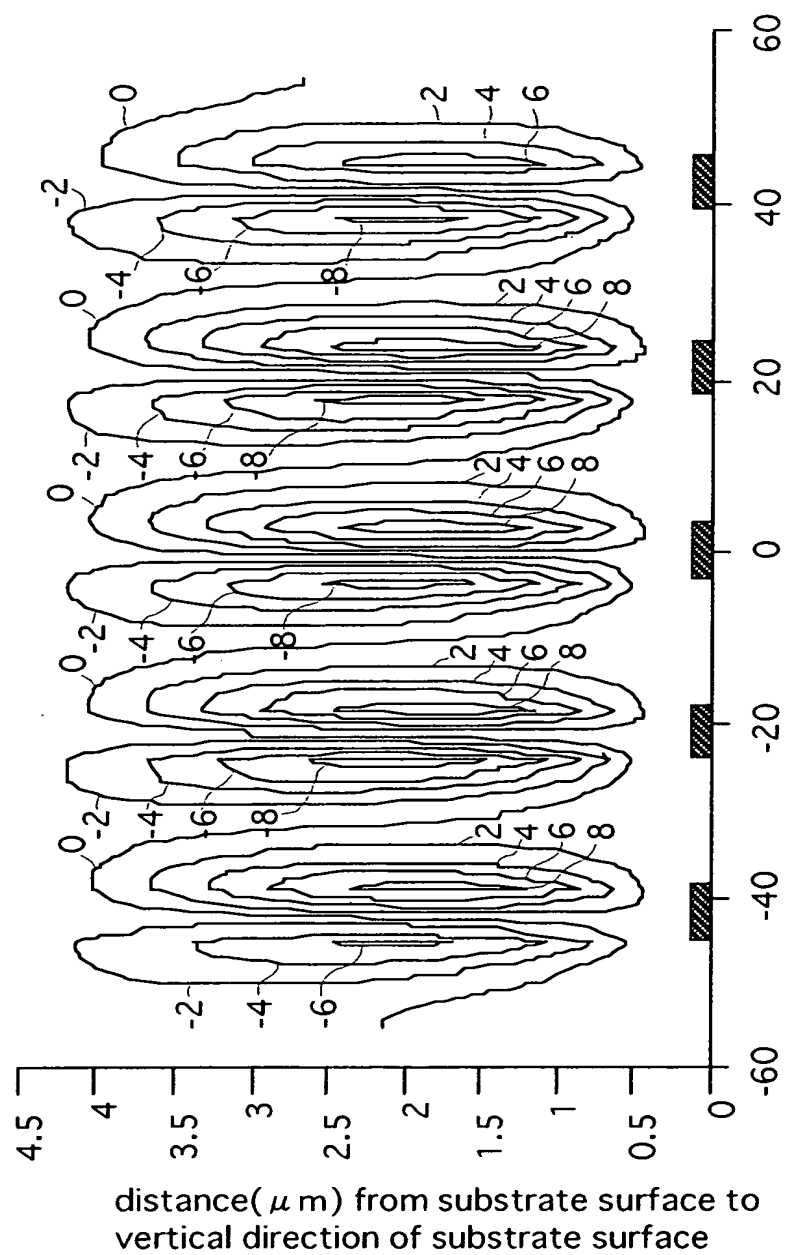
FIG.42B



rotation angle of LC molecules

FIG. 42C

FIG.42C



tilt angle of LC molecules

FIG.43A

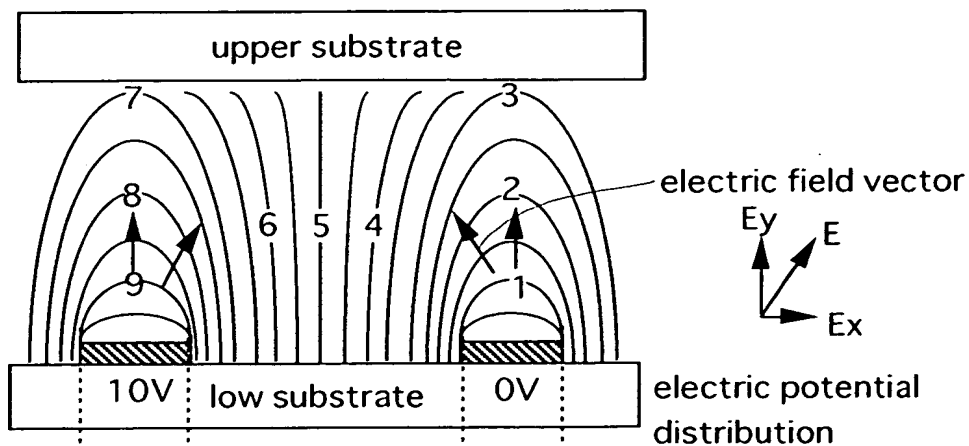


FIG.43B

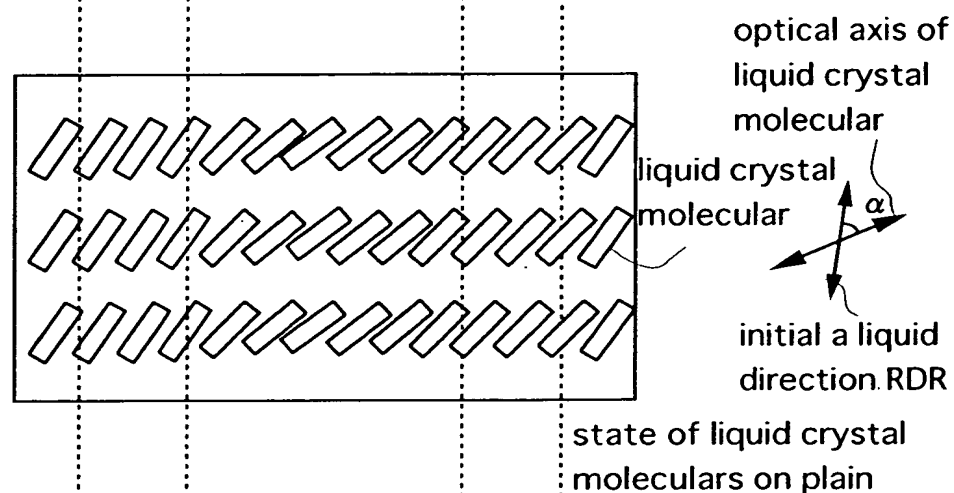


FIG.43C

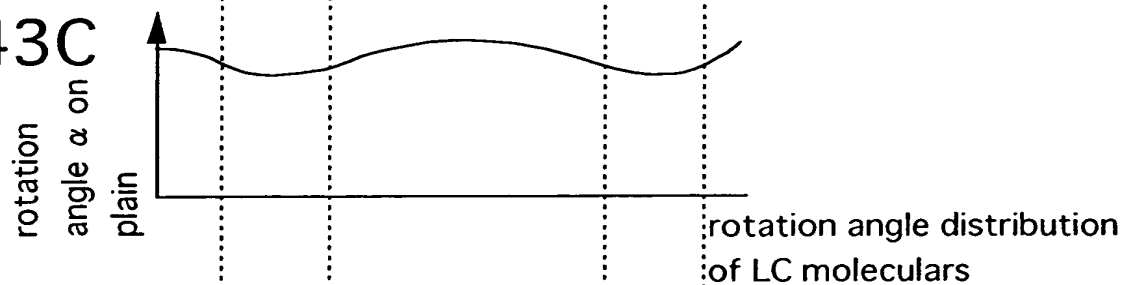


FIG.43D

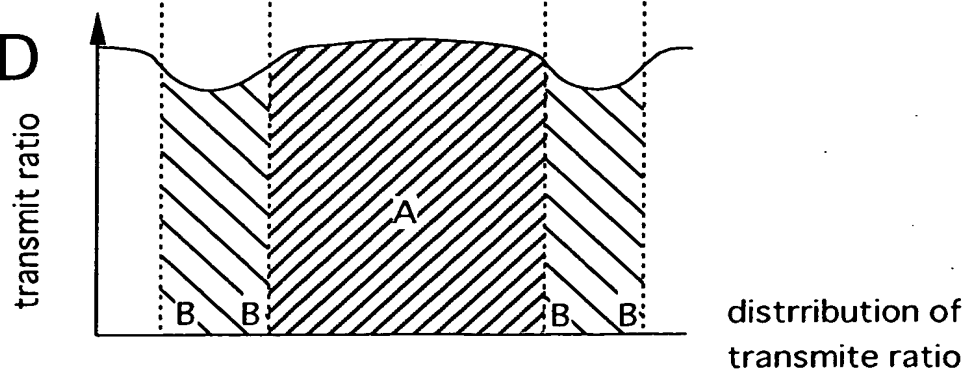


FIG.44

